

ROD-SOF for DA Permit SAJ-1993-01395
Attachment B - Compensatory Mitigation Plan
Attachment D - Long-Term Management Plan

South Pasture Extension

Long Term Management Plan



Mosaic Fertilizer, LLC

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South Pasture Extension Long Term Management Plan

1 Introduction

1.1 South Pasture Extension Project Overview

Mosaic's South Pasture Extension (SPE) is wholly located in west-central Hardee County, Florida in Sections 1, 2, 3, 10, 11, and 12, Township 34 South, Range 23 East, as well as Sections 2, 3, 4, S, 6, 7, 8, and 10, Township 34 South, Range 24 East (Figure LTMP-1).

The SPE is bordered to the north by the existing South Pasture Mine (SP), and to the south and to the east by agricultural lands and is crossed by forested floodplains associated with Brushy, Lettis, and Troublesome Creek. The site is bordered to the west by the Fort Green Mine, and the Ona Mine comprises the majority of the southern boundary of the SPE.

All mitigation for the SPE will be placed into long term protection through a Deed of Conservation Easement (CE) in favor of the Florida Department of Environmental Protection (FDEP) as Grantee with third party beneficiary rights, including enforcement rights, in favor of the United States Army Corps of Engineers (USACE). The Conservation Easement template is attached as Appendix 2. The property that is subject to the requirements and obligations of the CE are referred to herein as the "Covered Areas." **The primary function of the Covered Areas is to serve as compensatory mitigation under Section 404 of the Clean Water Act for impacts to waters of the United States authorized by the DA permit for South Pasture Extension and any subsequent modifications of that DA permit, if approved.** Any secondary uses of the Covered Areas that conflict with that primary function and will jeopardize the objectives of the approved compensatory mitigation plan are prohibited. If the USACE determines that any of the secondary uses considered in this LTMP conflict with that primary function and will jeopardize the objectives of the approved compensatory mitigation plan, then those secondary uses shall be modified, up to and including cessation as determined necessary by the USACE.

The mitigation for the SPE project has been designed to be self-sustaining once performance standards have been successfully achieved and the mitigation has been released from further permit related and/or regulatory requirements. This includes minimization of active engineering features to sustain ecological functions, if any, and appropriate siting to ensure that natural hydrology and landscape will support long-term sustainability. While the term "self-sustaining" is used when discussing the techniques utilized in mitigation design and construction, this plan also recognizes that some long term management activities may be necessary, including but not limited to nuisance and exotic species control and to maintain fire dependent communities, for some period of time as needed after performance standards are achieved to ensure the mitigation is self-sustaining. The long term management activities proposed by this Long Term Management Plan (LTMP) are proven methods similar to what is currently utilized to maintain the existing high quality habitats within the SPE.



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Further, after performance standards have been achieved, and the mitigation is released as successful in the Post-Reclamation Level I (described in Section 1.2 below) Covered Areas¹, cattle grazing may be allowed. Provided any proposed cattle grazing is conducted in accordance with an NRCS/FDACS-endorsed conservation program and recognized best management practices (BMPs), and as approved by the USACE as part of a site-specific grazing management plan. Cattle grazing may be conducted in the manner described in Section 5.2 as an additional management tool. Additional secondary uses such as passive recreation (as described in Section 6.1) and hunting (as described in Section 6.3) is also allowed if it will not adversely affect the long-term sustainability of the mitigation.

Annual costs of anticipated long-term management needs are set forth in Section 10. If a long-term financing mechanism is determined to be necessary by the USACE pursuant to 33 CFR 332.7(b), the mechanism described in Section 10 will be utilized. When necessary/appropriate, other management activities and uses may be implemented and those are discussed in the remaining subsections of Section 6.

1.2 Long Term Management Plan (LTMP)

The purpose of this LTMP is to describe how the mitigation in the Covered Areas will be managed upon execution of each phase of the CE, to ensure its long term sustainability. Further, this LTMP is expressly referenced in and made enforceable pursuant to Section 404 Permit No. SAJ-1993-01395 (or any modification thereto).

As allowed under the above referenced permit, this LTMP may be amended as conditions require. Additionally, all of the monitoring and reporting required by this LTMP will cease at the appropriate time based on the determination by the USACE that the mitigation areas have achieved self-sustainability. To request a determination of self-sustainability from the USACE, the Responsible Party will provide demonstration of self-sustainability and may request approval from USACE to release mitigation areas from any or all of the monitoring and reporting obligations of this LTMP as described in Section 9. Even if released from monitoring and reporting obligations, the Responsible Party will continue to be responsible for ensuring that the Covered Areas maintain their baseline condition in perpetuity, including conducting all necessary management tasks such as fence maintenance, nuisance species control and prescribed burning. In addition, the CE will remain in place and will run with the land to provide long term protection.

As previously noted, the Covered Areas will be placed into long term protection through a CE in favor of the FDEP as Grantee with third party beneficiary rights, including enforcement rights, in

¹ Note: Managed cattle grazing will continue in the Covered Areas designated as "Immediate Level I" preservation, in accordance with a USACE-approved grazing management plan. BMPs and other grazing management actions not already utilized within "Immediate Level I" will be implemented upon execution of the CE. Cattle will be excluded from enhancement areas until performance standards are met.



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favor of the USACE (Figure LTMP 3). This LTMP applies to the following types of Covered Areas subject to the CE:

- SPE Immediate Level I – This phase consists of the preservation areas that will not be disturbed except for wetland and upland enhancement/restoration activity and will be placed under CE protection prior to initiating mining operations. Note: enhancement/restoration activities will be conducted while under the protection of the CE.
- Post Reclamation Level I– This phase consists of the re-established mitigation wetlands and streams as well as buffer areas (as shown on Figure LTMP 3). These areas will be protected by a CE following mitigation/reclamation release as required by the permit.

The Covered Areas are summarized and described below:

LTMP Table 1

Covered Areas	Location	Current Use	Future Effects	Date CE Protection to be in Place
SPE Immediate Level I	On-Site	Agriculture, including hunting and grazing	None, except restoration	Prior to commencing mining activity (Enhancement/Restoration activities will be conducted while under CE protection)
SPE Post-Reclamation Level I	On-Site	Agriculture, including hunting and grazing	Disturbed/mined prior to re-establishment	Post-mining, within 12 months of regulatory release of mitigation for each LRU
SP Post-Reclamation Level I	Off-Site	Agriculture, including hunting and grazing	Disturbed/mined prior to re-establishment	Post-mining, within 12 months of regulatory release of mitigation for each LRU

1.2.1 On-Site South Pasture Extension Immediate Level I

The SPE Immediate Level I area will remain unmined and will be preserved by the CE (Figure LTMP 3). Current uses of this property include ranching, cattle grazing and passive recreation such as hunting. The vast majority of the South Pasture Extension Immediate Level I area is well maintained by the current cattle ranching owners and will be preserved in its current state except for the enhancement of several upland and wetland areas. The quality of the aquatic resources and associated uplands located within the SPE Immediate Level I Covered Areas are



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already self-sustaining, and, therefore, active long-term management activities should be minimal. Enhancement/Restoration activities pursuant to Section 404 Permit No. SAJ-1993-01395 (or any modification thereto) will be conducted while under CE protection. Some of the existing land uses and management practices, including grazing, burning and hunting, will continue to occur in the preservation areas, to be conducted as described herein, in a manner that does not conflict with the primary purpose of the Covered Areas of providing mitigation as described in Section 1.1. Agricultural activities including silviculture or other significant tree removal, dredge or fill of wetlands, replacement of any native habitat with non-native habitat, placing of additional internal fencing, roadways or firebreaks (unless related to habitat management) will be prohibited. Herbiciding of invasive, exotic species may also be necessary if monitoring dictates a decline from the baseline. Cattle and other secondary uses will be managed as specified in this LTMP, and monitoring to assure long-term sustainability of the mitigation will be implemented as measured against the baseline condition existing at the time the CE is recorded (the process for establishing the baseline condition is described in Section 3.0, below).

1.2.2 South Pasture Extension and off-site Post Reclamation Level I

The SPE Post Reclamation Level I area and the two off-site SP forested wetlands are the on-site and off-site compensatory mitigation to be established on the SPE site after mining is complete (Figure LTMP 3). Current uses of this property include ranching, cattle grazing and passive recreation such as hunting. This compensatory mitigation will be constructed in phases as mining progresses and consists of herbaceous wetlands, forested wetlands, and restored streams. Once released, active long term management activities required to achieve and maintain long-term sustainability of the mitigation will be implemented as specified in this LTMP. Cattle and other secondary uses will be managed as specified in this LTMP, and monitoring to assure long-term sustainability of the mitigation will be implemented as measured against the baseline condition existing at time the CE is recorded. Some of the existing land uses and management practices, including burning and cattle grazing, will resume after performance standards have been achieved, and the mitigation released as successful, upon the USACE's approval, to be conducted as described herein, in a manner that does not conflict with the primary purpose of the Covered Areas of providing mitigation as described in Section 1.1.

1.3 Goals

As required by 33 C.F.R. §332.4(c)(11), this LTMP has been developed to describe those active management activities that may be utilized after performance standards have been achieved to ensure the long-term sustainability of the mitigation within the Covered Areas.

In particular, this LTMP includes and describes the following components:

- The perpetual Deed of Conservation Easement, with Third Party Beneficiary Rights to USACE (Conservation Easement), is the legal instrument that will be used to ensure the long-term protection of the compensatory mitigation site (33 C.F.R. §332.4(c)(4)). As



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required by 33 C.F.R. §332.7(a) and Rule 62-330.301(5)(f) (incorporating Deed of Conservation Easement Form by reference), the Conservation Easement prohibits incompatible uses and contains a provision requiring 60 days advance notice to the USACE before any action is taken by FDEP to void or modify the instrument.

- How the compensatory mitigation project will be managed after performance standards have been achieved to ensure the long-term sustainability of the resource including the party responsible for long-term management (33 C.F.R. §332.4 (c)(11); 33 C.F.R. §332.7(b),(d)). In particular, the manner in which the activities authorized under the CE will be conducted is described in detail to ensure the baseline condition of the mitigation is maintained.
- An inventory of compatible uses that will be allowed within the Covered Areas, with a discussion of any specific long-term management activities that are required to prevent adverse effects on the long-term sustainability of the mitigation(Rule 62-330.301(5)(f)); and
- Discussion of the long term funding mechanism and the annual cost estimates as required by 33 C.F.R. §332.7(d)(2) for required long term management activities under this LTMP.

The LTMP allows certain secondary uses in the Covered Areas, conditioned on those secondary uses being conducted in a manner that does not conflict with the primary purpose of the Covered Areas of providing mitigation as described in Section 1.1. Conditionally approved secondary uses include sustainable cattle grazing in accordance with a USACE-approved, site-specific grazing management plan which may include but is not limited to specified Best Management Practices (BMPs), and passive non-commercial recreational activities such as horseback riding and camping and low intensity hunting and fishing as compatible secondary uses in the Covered Areas. Other uses not specifically authorized in this LTMP, such as agricultural activities including silviculture or other significant tree removal (as determined by the USACE), dredge or fill of wetlands or streams, replacement of any native habitat with non-native habitat, and placing of additional internal fencing, roadways or firebreaks (unless related to habitat management in support of the primary purpose of providing compensatory mitigation), will be prohibited in the Covered Areas.

If cattle grazing is conducted in accordance with a USACE-approved grazing management plan as described in Section 5.2 below, it is authorized as one of the available management tools to control invasive plant species in the Covered Areas, along with prescribed burning and herbicide use. Additionally, low intensity recreational hunting is used as one of the conservation tools in helping to control exotic species (*e.g.*, feral hogs) and to maintain sustainable populations of other native wildlife in all Covered Areas, if conducted as described in Section 6.3.

This LTMP is based on the best currently available information, and provides a foundation for long-term sustainability of the Covered Areas. It is a working document which may change and evolve and will be updated as necessary, subject to approval by the USACE. As recommended actions are approved by the USACE, the LTMP will reflect these changes, as appropriate.



2 Responsible Party

While under Mosaic ownership, Mosaic will be the party responsible for long-term management of the compensatory mitigation in the Covered Areas. However, Mosaic requests that the USACE-issued permit contain a provision allowing Mosaic to transfer property ownership and/or responsibility for the long term management monitoring and reporting requirements of this LTMP to a third-party, as allowed by 33 C.F.R. §332.7(d)(1), with approval by the USACE. There are contractual obligations that require Mosaic to return a portion of the land to a private entity that will in effect become the private land manager.

If title to the Covered Areas is transferred in the future, with approval by the USACE, the responsibility for compliance with the CE and LTMP provisions will incur to the new owner (33 C.F.R. §332.4(c)(4) &(11); 33 C.F.R. §332.7(a) & (d)). Mosaic will provide all notices required by Section 404 Permit No. SAJ-1993-01395 of transfer of ownership of the Covered Areas.

3 Ecological Baseline Reports

The CE requires preparation of a Baseline Report for the Covered Areas. The Baseline Report indicates the quality and functions of the wetlands, surface waters, upland buffers, and riparian areas within the protected lands immediately prior to the execution of the CE. The Baseline Report will be prepared for the immediate preservation areas (SPE Immediate Level 1 CE) prior to recordation of the CE, prior to mining in the SPE, and will be updated following the completion of preservation area enhancements. An additional Baseline Report will be completed associated with the created mitigation areas (Post Reclamation Level 1 CE) to be executed after all created systems have achieved the applicable performance standards as described in the permit. The Baseline Reports will document conditions existing at the time the CEs are recorded and will serve as benchmarks from which to evaluate any degradation prohibited by the CEs. They will also be useful in evaluating the long-term sustainability of the mitigation within the Covered Areas.

To aid in the development of a reclamation plan for the SPE, ecological baseline data collection was initiated in 2004. The data collection effort included wetland delineations, wetland quality assessments using UMAM, detailed vegetation and land use mapping, and wildlife and listed species surveys. A hydrologic assessment was also completed as a part of the MIKE SHE / MIKE-11 integrated groundwater / surface water modeling analysis. Data collected for water modeling analysis included SPE stream and drainage area characteristics, topography, precipitation rates, measurements of evapotranspiration, and hydrogeology as discussed in the report, "Integrated Simulations for the South Pasture Extension Mine for Pre-Mining and Post-

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Reclamation Conditions” (AMEC-BCI 2011), included as part of the USACE Application and may be utilized as additional background describing the preservation areas.

The Baseline Evaluation will consist of qualitative and semi-quantitative information related to the vegetative composition and cover within each wetland, vegetative and hydrologic disturbances, soil conditions, and other notable observations. The Report will typically include the following information:

Description of General Project Area

- a) Name of the water body, water classification, and proximity to or classification as a special water body.
- b) Adjacent areas, natural or disturbed, type and degree of development in the area, and general habitat types.
- c) Historical information for both the area and the specific Site including dates of previous disturbances, permits that have been issued, previous enforcement actions, existing structures on the Site, and/or periodic work in the area.
- d) Map and aerial photo

Biophysical Characteristics of the Conservation Easement (Including Wetland/Stream/Buffer/Riparian Area Mitigation)

- e) A discussion of the systems role in the overall trophic structure of the general area including the use of the Site by mobile fauna and the use of the Site by humans. A description of the systems overall health including current hydrological conditions, soil oxidization, fire history, and Site erosion or accretion.
- f) A Site description that includes an overall characterization of the communities under investigation, whether the Site is natural or disturbed and a discussion of the floral and faunal species present at the Site including relative abundance.
- g) Any nuisance or exotic species present (areas greater than 5 percent indicated on baseline maps for each wetland)
- h) Wildlife and listed species observed within the Covered Areas
- i) Characterization of on-site streams and riparian areas, including surface water quality and biological conditions
- j) Characterization of on-site wetlands and upland buffers, including hydrology and biological conditions
- k) Characterization of localized groundwater aquifers and water quality

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Supplemental Information.

- l) Summary of historic and cultural resources present, if any
- m) Any unique site characteristics
- n) Photographs with specific photo station coordinates photographs that depict several specific parts of the Site. These photos will center on details of interest such as hydrologic indicators, areas of special interest as requested by the agencies, disturbances, and presence of floral and faunal species.
- o) Description of the functional values provided by the aquatic resources present (either from documentation listed above, or mitigation monitoring reports for created systems)

The Baseline Report(s) for each phase will be prepared prior to CE execution.

4 Resource Protection

Upon execution of the Conservation Easement, maintaining long-term sustainability of the mitigation within the Covered Areas may involve three management activities: 1) burning, as appropriate for invasive plant control and rejuvenation of forage species for wildlife, 2) grazing to reduce invasive plant species proliferation, and/or 3) control of invasive species through chemical herbicide application and mechanical removal if necessary. Those activities will be conducted as described herein in a manner that is consistent with the mitigation objectives for the Covered Areas and which supports maintenance of each area's baseline condition as documented in the Baseline Report for each area.

5 Resource Management Activities

The following sections provide additional detail regarding the management methods and activities that may be utilized to achieve and maintain long-term sustainability of the mitigation within the Covered Areas. Additionally, because nuisance species control is based on site specific conditions, other management activities may be added to this plan in the future as approved by FDEP and USACE.

5.1 Fire Management

Prescribed fire management is an effective and widely used practice for the control of nuisance species and to support general ecosystem health. Uplands in Florida can benefit from fire to maintain native plant community structure, promote species diversity, reduce fuel loads, and promote wildlife utilization. Fire is a natural phenomenon that native plants and animals have adapted to and depend on for habitat sustainability, including re-nourishing the soil with natural sources of nutrients. Prescribed burns every few years in northern crested caracara habitats help maintain the prairie community at an early successional stage dominated by grasses and small shrubs (palmetto, wax myrtle, gallberry, *etc.*), which supports the life cycle of the species. Prescribed burning in sand pine scrub is beneficial to the gopher tortoise and Florida indigo

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snake (NRCS, 2006b). This periodic burning, even in wetland ecosystems, reduces litter accumulation and increases the diversity of the herbaceous layer.

Although the compensatory mitigation is designed to be self-sustaining, prescribed burns will be conducted for communities that are fire dependent, (*i.e.*, dry prairie/palmetto prairie, shrub and brush land, mixed rangeland, pine flatwoods, wet prairie, and some marshes), as appropriate to maintain the long-term sustainability of those communities within the Covered Areas. The prescribed burn cycle would typically recur on a 3 to 5 year basis, with controlled burns in wetlands potentially recurring less frequently on a cycle up to 8 years. Prescribed fire will not be used where such actions would adversely affect the long-term success and sustainability of the mitigation. All controlled burning must be conducted in accordance with Florida Department of Agricultural and Consumer Services (FDACS) fire management guidelines to ensure no degradation to the Covered Areas would occur as a result of a prescribed fire.

5.2 Cattle Grazing

Cattle grazing is expressly prohibited in active, unreleased mitigation areas and in any mitigation areas that does not have a current USACE-approved grazing management plan in place and ready to be executed (for example, all necessary fencing, supplemental watering, etc. in place). The Responsible Party shall develop a site-specific grazing management plan that demonstrates how cattle grazing will take place within the Covered Areas after successful implementation, in a manner that does not conflict with the primary purpose of the Covered Areas of providing mitigation as described in Section 1.1. The grazing management plan may include BMPs or other input from NRCS or FDACS, including the FDACS BMPs described in Appendix (3) of this LTMP. The grazing management plan shall include practices that addresses changes in the grazing frequency, duration or intensity if monitoring reports demonstrate that the condition of any mitigation areas is below the baseline threshold, up to and including cessation of grazing, installation of additional exclusionary fencing to support changes in grazing frequency or intensity, and remediation for wetland or surface water degradation resulting from cattle grazing. The plan shall also include specific details of how grazing in stream mitigation areas will be managed, including provisions for excluding cattle from streams and riparian areas as necessary.

The Responsible Party shall submit the grazing management plan to the USACE for review and approval. Without USACE approval of a grazing management plan, cattle grazing shall not be considered a compatible use within the Covered Areas. After approval of the grazing management plan, that plan shall be attached to and become part of this LTMP, and part of DA Permit No. SAJ-1993-01395.

If the USACE determines that the cattle grazing or associated activities have degraded mitigation areas below established success standards, or are jeopardizing the sustainability of the mitigation, the responsible party will implement remediation actions, up to and including ceasing this activity in the affected areas.

5.3 Herbicide Application

Weed control and management entails the removal or control of weeds including invasive and exotic plants. This activity may be necessary to maintain the long-term sustainability of the mitigation within the Covered Areas if nuisance and exotic plant species cause degradation of wetland and upland mitigation communities.

Under the CE and this LTMP, chemical herbicides will be used, as needed, to treat infestations of nuisance or exotic weeds that can't be adequately controlled through grazing or fire management. All herbicide use will be in accordance with manufacturer instructions and state requirements. Herbicides will not be mixed, nor sprayers rinsed, within the easement boundaries. Manual or chemical treatment of these areas will be performed as needed and documented in annual monitoring reports.

6 Managed Compatible Uses

In addition to sustainable cattle grazing as described above, the following sections identify compatible uses and activities within the Covered Areas that will not adversely affect the long-term sustainability of the mitigation if properly managed and controlled as described below. If the USACE determines that these additional uses have degraded mitigation areas below established success standards or the baseline conditions, or are jeopardizing the sustainability of the mitigation, the responsible party will implement remediation actions, up to and including ceasing those secondary uses. The scope and nature of the compatible uses are discussed below.

6.1 Passive Recreation

Under the CE and this LTMP, limited recreational uses may be conducted within the Covered Areas, including low intensity recreational fishing and hunting of deer, quail, and other game species, low impact camping, backpacking, hiking, observation of wildlife, nature viewing, nature photography, unimproved trail biking and running, horseback riding and other recreational outdoor activities in accordance with all state regulations and ordinances.

The following Requirements apply:

- No modifications of habitats is allowed
- Other than games species allowed for hunting or sustainable seed collection for restoration, no plants or animals may be removed. Destruction or harassment or taking of any Threatened and Endangered Species protected under Endangered Species Act is prohibited.
- No permanent structures are allowed

As described above, if the USACE determines that the above listed other activities have degraded mitigation areas below established success standards or the baseline conditions, or are jeopardizing the sustainability of the mitigation, the responsible party will implement remediation actions, up to and including ceasing this secondary use.

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6.2 Public and Vehicle Access

Vehicle use will be minimized within Covered Areas. However, some vehicle access, including all-terrain vehicles, will still be required to accomplish approved activities, including conducting inspections, monitoring, and maintenance activities as needed to satisfy the purpose of the LTMP or to determine compliance with the CE. No new roads will be graded or constructed and vehicles must stay on existing roads, to the extent possible. All existing trails and roads will be documented in the Baseline Report prior to recordation of the CE. The use of any access trail or road which shows signs of erosion and a threat to the sustainability of the mitigation areas will be immediately discontinued and repaired.

Public access for passive activities, to the extent not inconsistent with the purposes of the CE is allowable. However, members of the general public will not be allowed to park or use motorized vehicles (including ATVs) within the boundaries of the Covered Areas.

As described above, if the USACE determines that this secondary use has degraded mitigation areas below established success standards or the baseline conditions, or are jeopardizing the sustainability of the mitigation, the responsible party will implement remediation actions, up to and including ceasing this secondary use.

6.3 Low-Intensity Hunting and Fishing

Hunting and fishing are currently conducted within the Covered Areas as authorized by the property owner. Under the CE and this LTMP low intensity hunting and fishing will be allowed at a scale and intensity to ensure minimal adverse pressure on the diversity and utilization by protected species. More specifically, hunting and fishing activities may take place in the Covered Areas in the form of a lease or with a guide as arranged by the Site owner. The Covered Areas will not be open to the general public for these activities.

It is worth noting that hunting serves the dual purpose of recreation and species management supportive of long term sustainability of the Covered Areas. The lack of appropriate control of game species populations, often known as culling or thinning, can result in damage to the ecological benefits of property.

Responsible, small scale hunting practices can occur on mitigation areas with no adverse impacts to the diversity of wildlife that are anticipated to utilize the different communities within the Covered Areas.

Species that may be hunted include:

- White tail deer
- Dove and Quail
- Turkey

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- Squirrel
- Feral hogs (nuisance species)
- Coyote (nuisance species)
- Other problematic feral wildlife. Hunting or trapping of other nuisance species will be allowed as authorized by the Florida Fish and Wildlife Conservation Commission (FFWCC).

The following requirements apply:

- Hunting will only occur if authorized by the property owner.
- All hunting, except for exotic or nuisance species removal, is restricted to their respective hunting seasons, by hunters with appropriate permits, and in accordance with the methods and bag limits authorized by the FFWCC.
- All blinds (if used) and/or stands utilized during hunting activities will be unobtrusive to the mitigation.
- Food plots will not be located within any Covered Areas.
- ATVs and horses may be used by hunters in conjunction with hunting activities, although no new roads may be constructed and motorized vehicles must stay on existing roads and trails, if any, to the extent possible.
- The use of any access trail or road which shows signs of erosion and threatens the sustainability of the mitigation areas will be immediately discontinued and repaired.

As described in Section 8 of this LTMP, the Responsible Party shall monitor these additional secondary uses, including their frequency and intensity, and a description and assessment of all recreational activities that occurred during the monitoring period. As described above, if the USACE determines that this secondary use has degraded mitigation areas below established success standards or the baseline conditions, or are jeopardizing the sustainability of the mitigation, the responsible party will implement remediation actions, up to and including ceasing this secondary use.

7 Security

One benefit of productive land use through cattle grazing and non-commercial hunting is the fact that it promotes periodic presence of field personnel, which in turn renders a degree of site security against trespass, vandalism, illegal dumping and off-road vehicle use. Fencing and gates also serve to contain grazing livestock, limit unauthorized vehicle access and facilitate access for management activities. The following activities will take place to ensure security of the Covered Areas:

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- To secure the site, fences and gates will be maintained in good working condition, particularly adjacent to public roads.
- The entrance road adjacent to public roads will be gated and locked (or otherwise secured as a mine entrance) to control access.
- Security gate damage will be repaired immediately.
- Signs, posted at 1000 feet intervals, will provide notice that the area is a restricted conservation easement.
- The Responsible Party will be responsible to ensure that any discovered trash dumps are cleaned up and other repairs, as needed, are promptly conducted.
- All unauthorized persons, signs of trespassing and/or signs of illegal activities or disturbances (e.g., dumping, off-road driving, disturbance of restoration areas, etc.) will be reported in the annual reports.

If the USACE determines that resource management activities or managed compatible uses described in the above sections have degraded mitigation areas below established success standards, or are jeopardizing the sustainability of the mitigation, the responsible party will implement remediation actions, up to and including ceasing those activities.

8 Maintenance and Retention of Activity Records

The following activities will be documented for Covered Areas of this LTMP until released from all long-term management monitoring and reporting:

- A description and assessment of any fire management program activities undertaken.
- A description and assessment of any herbicide application activity undertaken.
- A description of any problems encountered (i.e. fencing, trespassing, dumping) and solutions undertaken.
- A description and assessment of all recreational activities that occurred during the monitoring period
- The enhancement/restoration activities that have been undertaken.
- Cattle grazing records as described in the USACE-approved grazing management plan, and including stocking numbers, grazing days and length of rest periods for each pasture or field.
- A description of the cost of management actions undertaken during each monitoring period.

These records will be available for regulatory inspection upon request and are to be submitted with the report as described in Section 9. A minimum of five years of these maintenance records will be retained.

9 Reporting after Mitigation Release

An assessment of the ecological condition and long-term sustainability of the Covered Areas not yet released from the monitoring and reporting obligations of this LTMP, as compared to the Baseline Report, will be conducted annually on the anniversary of the executed Conservation Easement. After the first five years of reporting, the Responsible Party may request changes to the monitoring schedule, for example on a five-year basis. The assessment will be documented in a report and the report will be submitted to the FDEP and USACE. Assessments will account for all wetland and stream types and for all mitigation areas (establishment, enhancement, and preservation). Assessments will continue until the USACE releases the Responsible Party from LTMP monitoring and reporting obligations.

If monitoring reveals and the USACE determines that deviations have occurred due to design flaws or the Responsible Party's actions and not as a result of natural catastrophic events, the Responsible Party will develop a remediation plan and revised monitoring schedule, subject to discussion with the USACE and other reviewing agencies. The monitoring events will resume following the remediation, for a time period agreed upon by the USACE, other reviewing agencies and the Responsible Party.

The report should include the following.

- An executive summary of activities (maintenance and recreational) that have taken place during the reporting period and how the reported conditions compare to the Baseline Report.
- A discussion of the long-term sustainability of the mitigation (including enhancement areas that have achieved their performance standards) and identification of deviations from the Baseline Report that may adversely affect sustainability of the mitigation, including but not limited to qualitative and semi-quantitative evaluations.
- The evaluations will include information related to the vegetative composition and cover within each wetland (including exotic and nuisance species cover greater than 5 percent), vegetative and hydrologic disturbances, soil conditions, and other notable observations (i.e. wildlife utilization, etc.).
- Photos at the same photo station locations in the Baseline Report which support discussion.
- Map and Aerial Photo.
- The records described in Section 8.

As stated in Section 1.3, this LTMP is a working document. Subject to approval by the USACE, the Responsible Party may request changes to the monitoring report contents required above.

10 Cost Estimates and Plans for Long Term Financial Viability

The Responsible Party will provide long-term financing for the required long-term management activities specified in this LTMP pursuant to 33 CFR 332.7(b) and as specified for long-term management in DA Permit No. SAJ-1993-01395. A copy of the final and accepted long-term management financial assurance documents is also included in Appendix 4. A condition in the USACE permit shall require the proposed long-term management financial assurance to be in place and funded prior to release by the USACE from mitigation construction and monitoring requirements.

The initial amount of each surety bond will be approved by the USACE prior to the execution of the Conservation Easement. The amount of the surety bond will change overtime as additional Conservation Easement phases are executed, as monitoring results dictate, and also when long-term financing as required by the LTMP are terminated as discussed below. Each adjustment (whether a necessary increase or decrease in amount) will be approved by the USACE.

The long-term financing mechanism shall remain in place until a compensatory mitigation area has developed to the point where the mitigation is self-sustaining and active management measures are no longer needed to fulfill the objectives of that project. In that event, the Responsible Party may contact the USACE and request termination or a decrease in the amount of the surety bond to eliminate some or all of the long-term financing obligations for the specific area/phase that has been released from LTMP monitoring and reporting obligations.

Consistent with 33 C.F.R. § 332.7(d)(1), the permittee may transfer the long-term management responsibilities of the compensatory mitigation project site to a land stewardship entity such as a public agency, non-governmental organization or private land manager after review and approval by the District Engineer.

This LTMP identifies the specific long term management activities that are likely to be necessary to ensure long term sustainable mitigation after ecological performance standards have been achieved. Those long-term management and maintenance activities and their associated estimated costs (as required by 33 C.F.R. 332.7(d)(2) are further detailed in the following table. If costs escalate or change over time, adjustments will be made to this LTMP and the Surety Bond.

Primary:

- Managing cattle grazing (~\$10/acre). This cost accounts for fence maintenance, signage and a contingency amount to cover any repairs to existing stream and wetland crossings if degraded from baseline conditions.
- Recreational hunting to control nuisance wildlife may be conducted at no cost.

Secondary:

- Community types that are fire-dependent may be required to be managed by fire (~\$25/acre). Fire frequency is every 3-8 years depending on community type.



South Pasture Extension Long Term Management Plan

- When necessary to achieve or maintain self-sustaining mitigation, herbicide may be applied (~\$25/acre).

Inspection and Reporting:

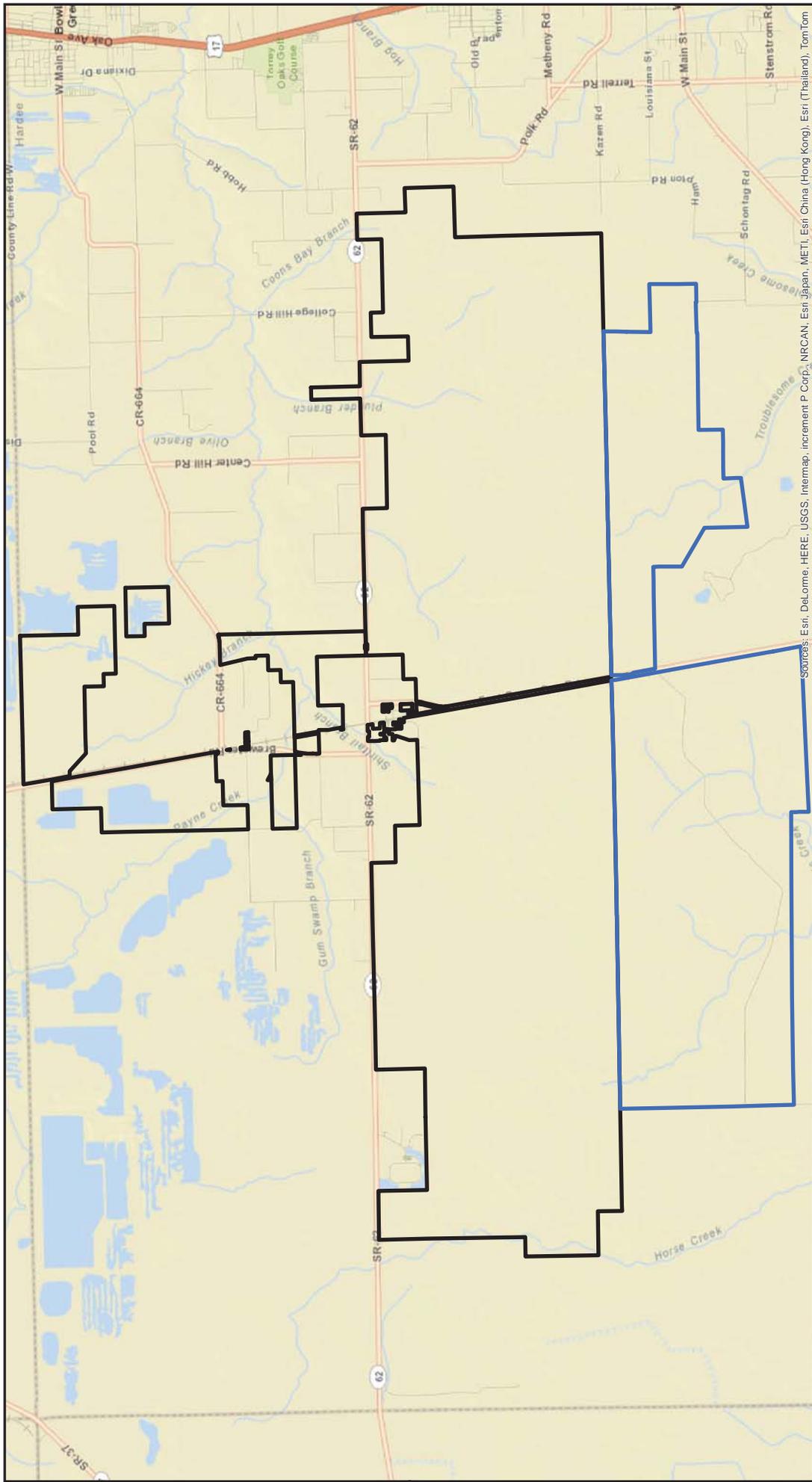
- Inspection and report cost is \$5/acre

Phase	Area (ac)	Maintenance Activities	Estimated Cost	
			Unit Cost**	Total Annual***
SPE Immediate Level I	1095*	BMP Cattle Grazing, Fire and/or Herbicide, Inspection and Report	\$65.00	\$71,175
SPE Post Reclamation Level I	2205*	BMP Cattle Grazing, Fire and/or Herbicide, Inspection and Report	\$65.00	\$14,3325
Total	3300*		\$65.00	\$214,500.00

*Only includes mitigation acres within the Covered Area.

** The unit cost may fluctuate based on the size of the area being managed.

***The total annual cost assumes that the CE has been executed for all Covered Areas. This cost will actually be covered in phases.



Sources: Esri, DeLorme, HERE, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom



**FIGURE LTMP 2
LOCATION
MAP**



Sources: Esri, DeLorme, HERE, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom

- South Pasture Extension
- South Pasture Mine

**MOSAIC FERTILIZER, LLC.
SOUTH PASTURE EXTENSION**

HARDEE COUNTY, FLORIDA

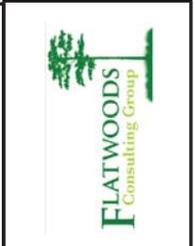
Feet

0 5,000

1 in = 5,000 feet



- 300
 - 400
 - 500
 - 600
 - 700
 - 800
- Planned Habitat Areas
 - Immediate Protection Level 1 - South Pasture Extension - 1094.7 ac. +/-
 - Post-Reclamation Protection Level 1 (includes Temporary Disturbance) - 2205.0 ac. +/-
 - Other Habitat Restoration
 - Post Reclamation Land Use
 - 200



**FIGURE LTMP 3
PROTECTION
LEVELS
MAP**



- South Pasture Extension
- South Pasture Mine
- No Mine Boundary

**MOSAIC FERTILIZER, LLC.
SOUTH PASTURE EXTENSION**

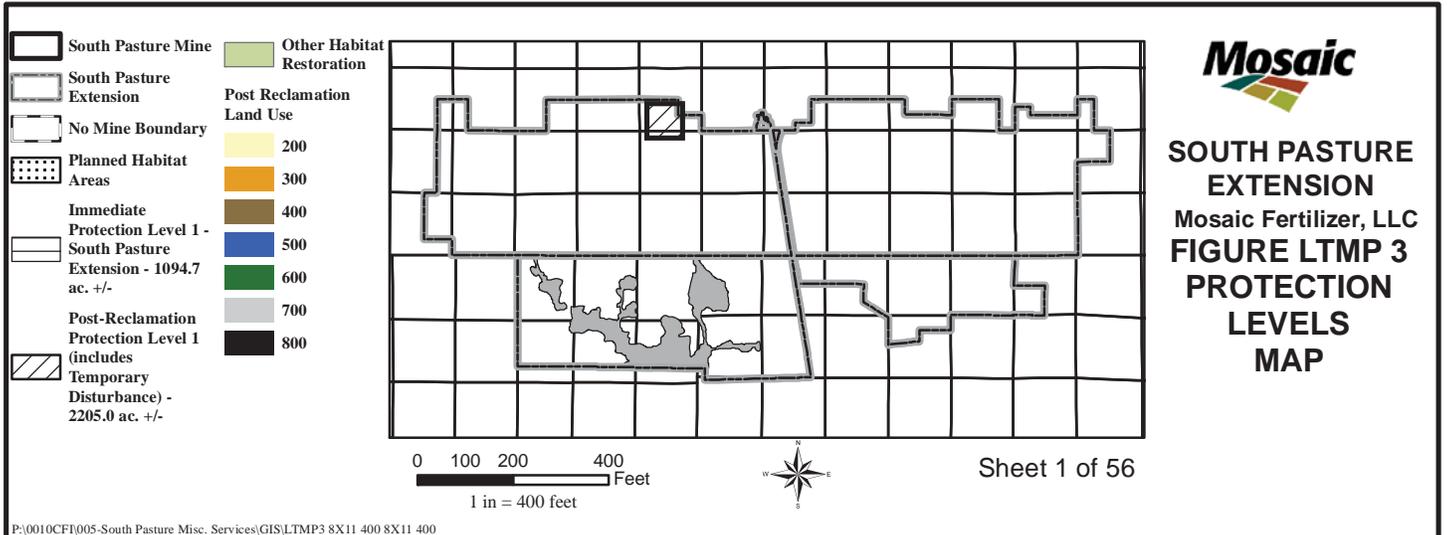
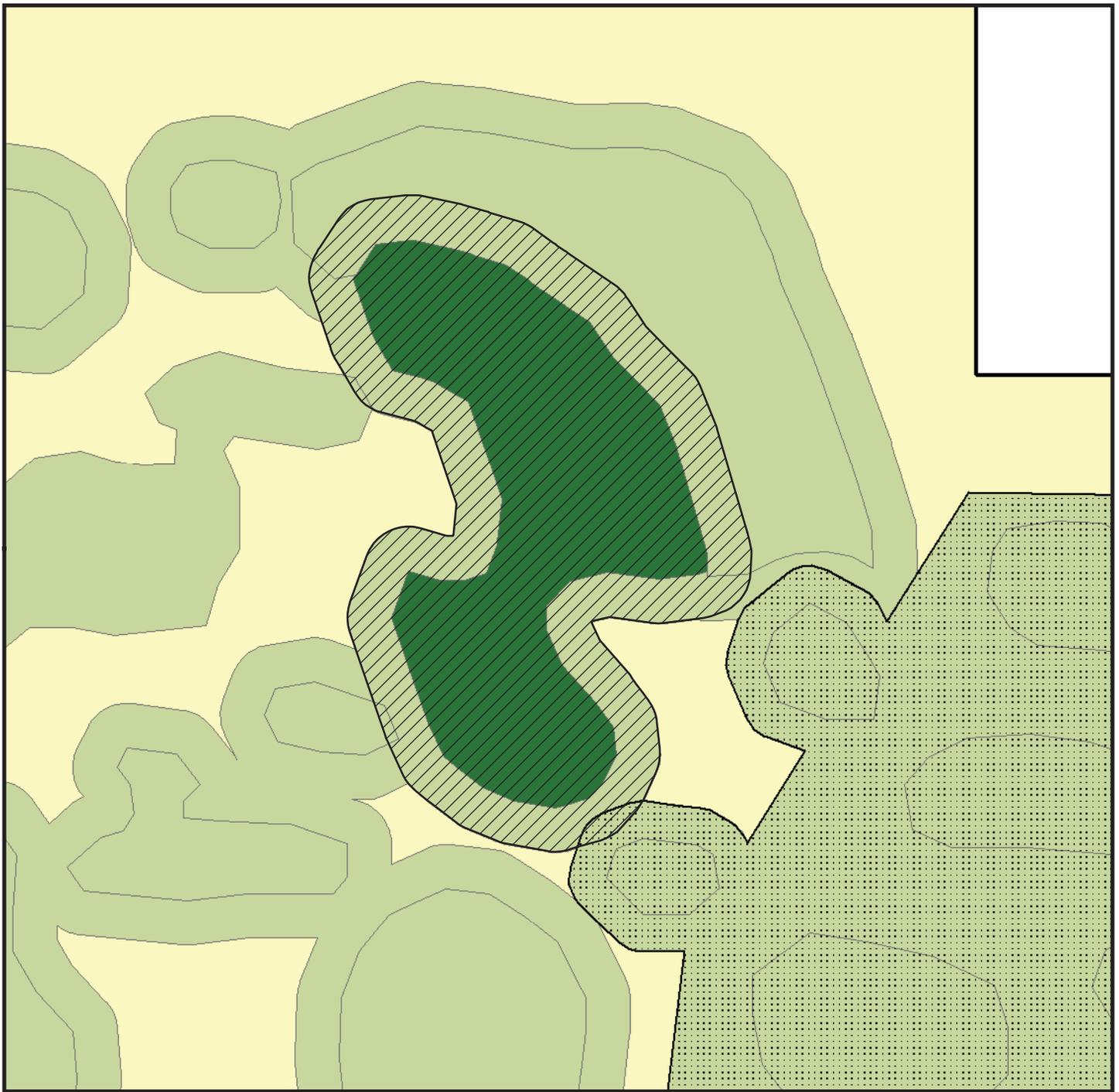
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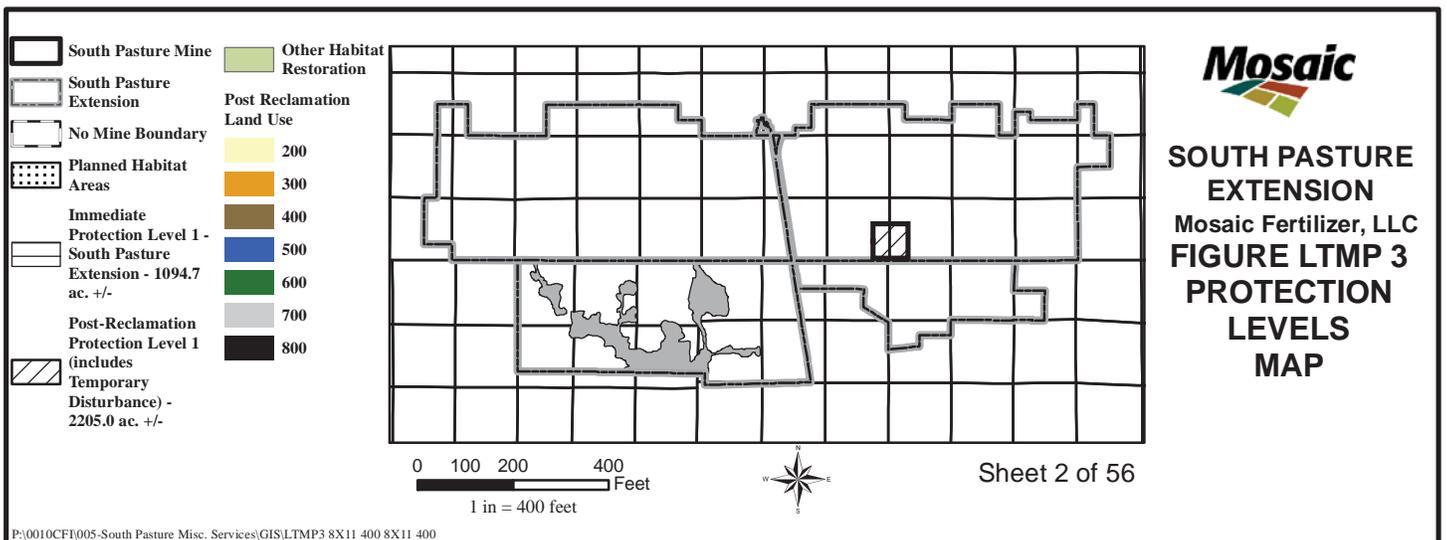
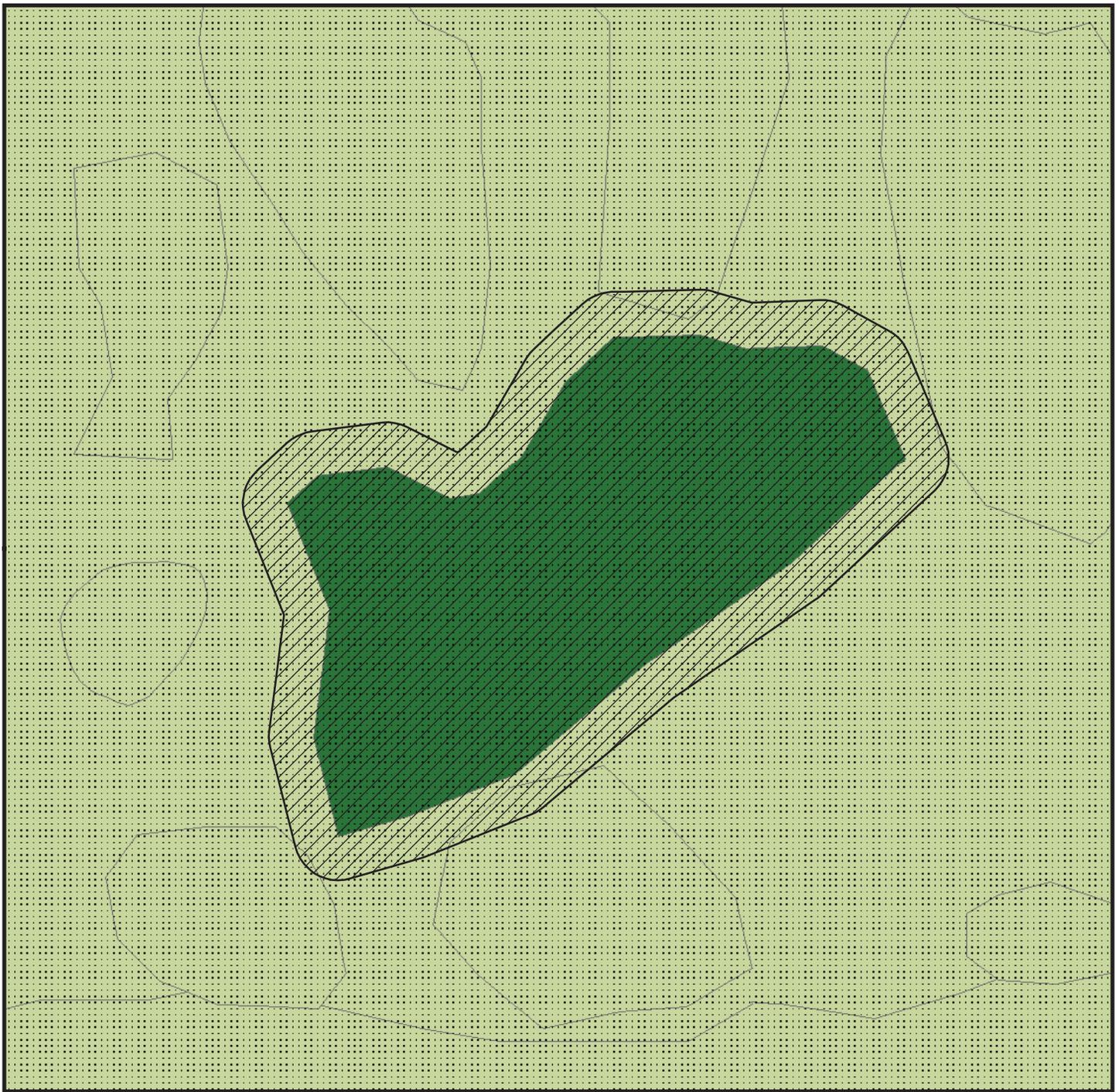
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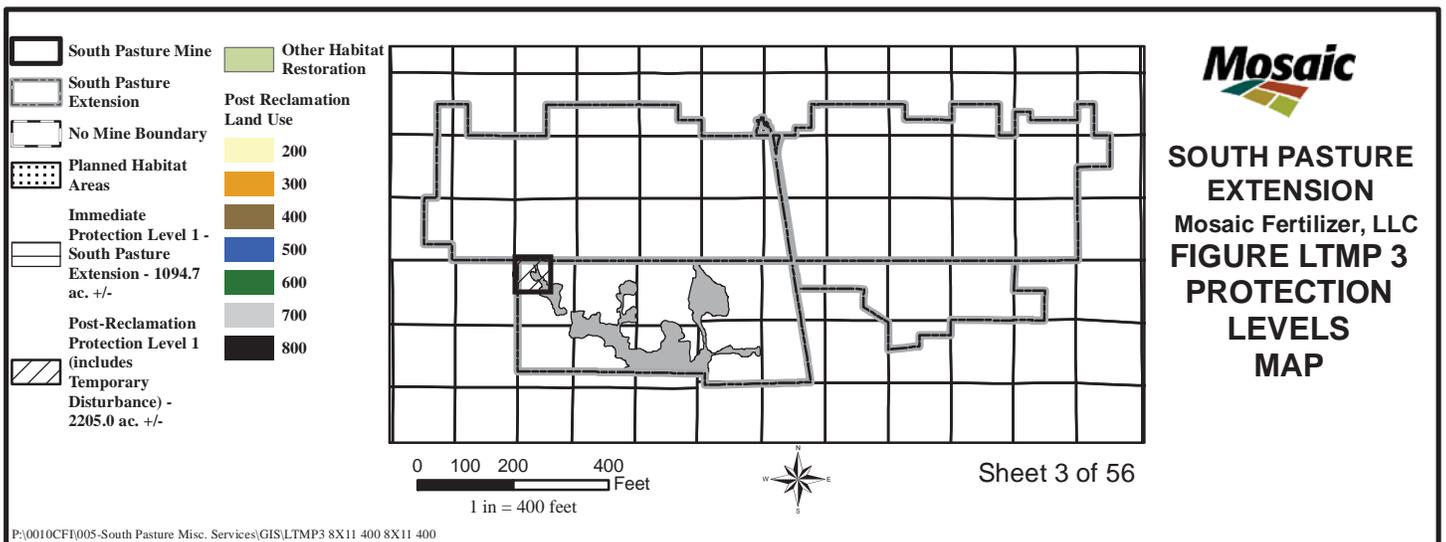
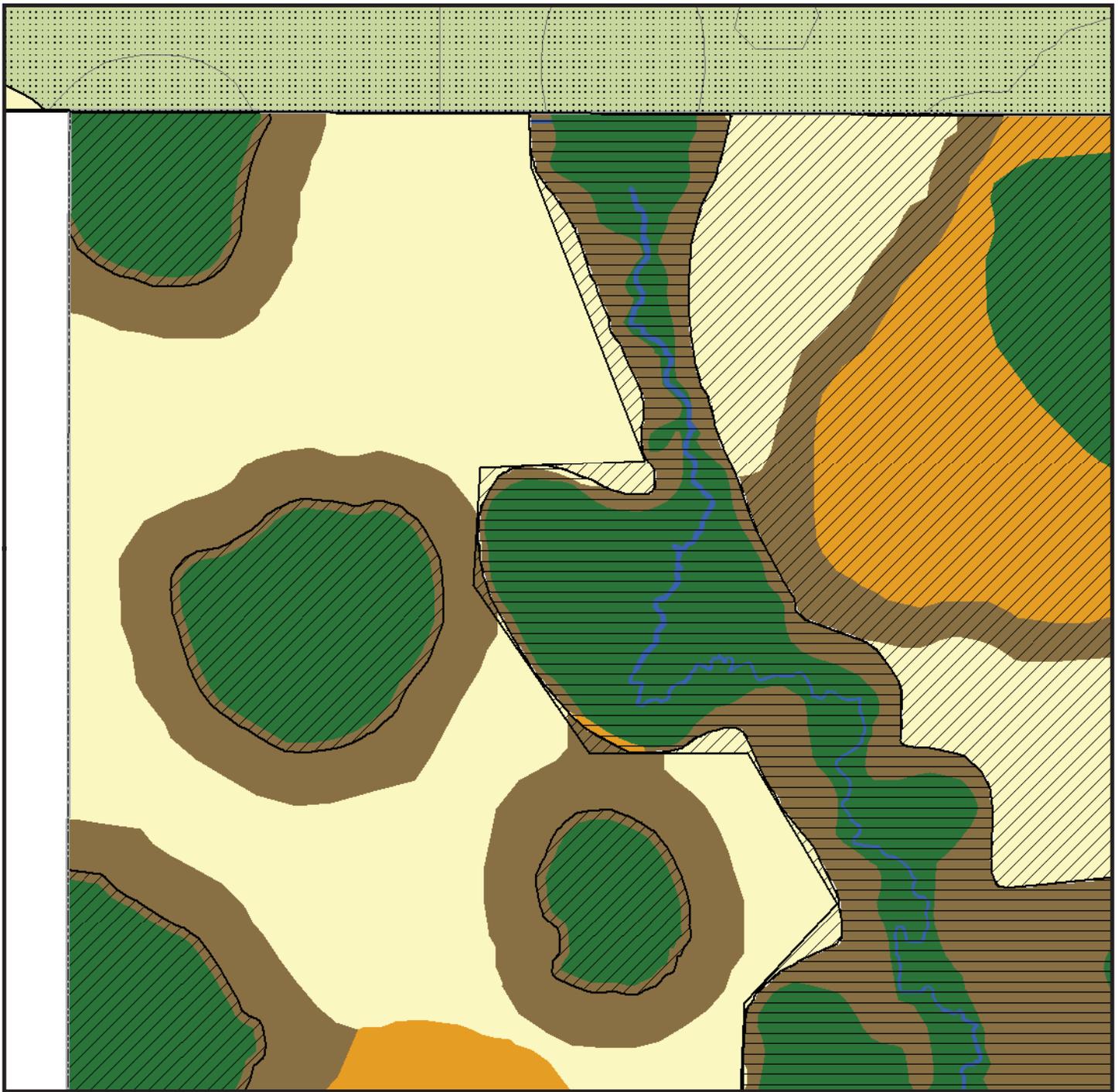
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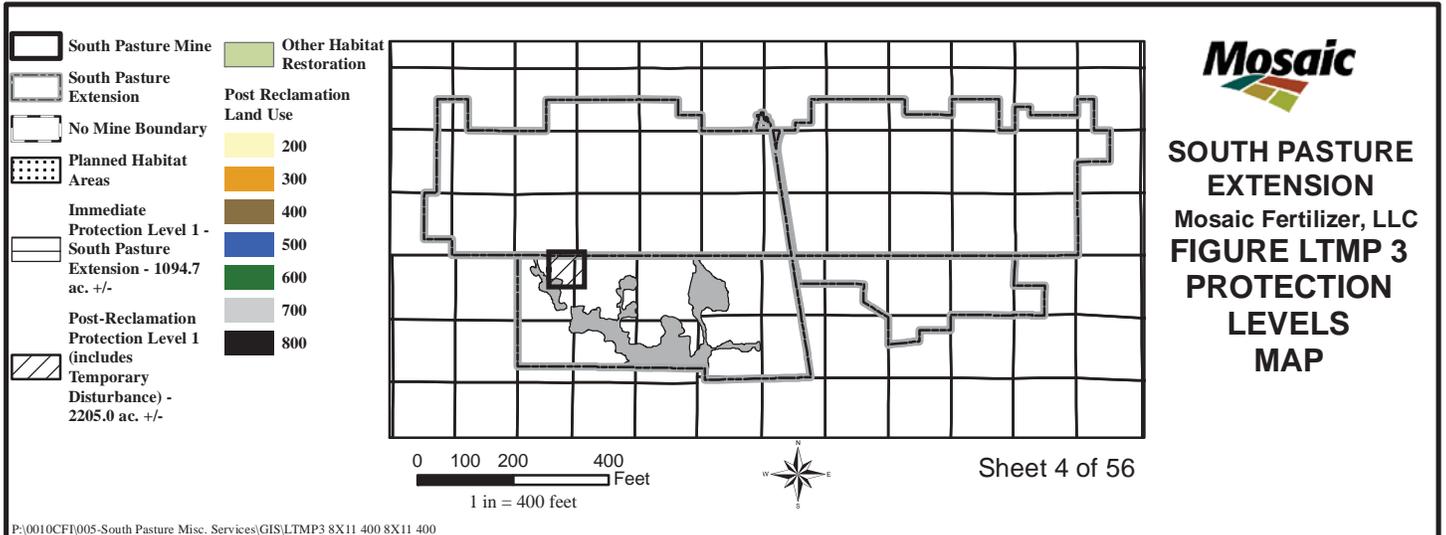
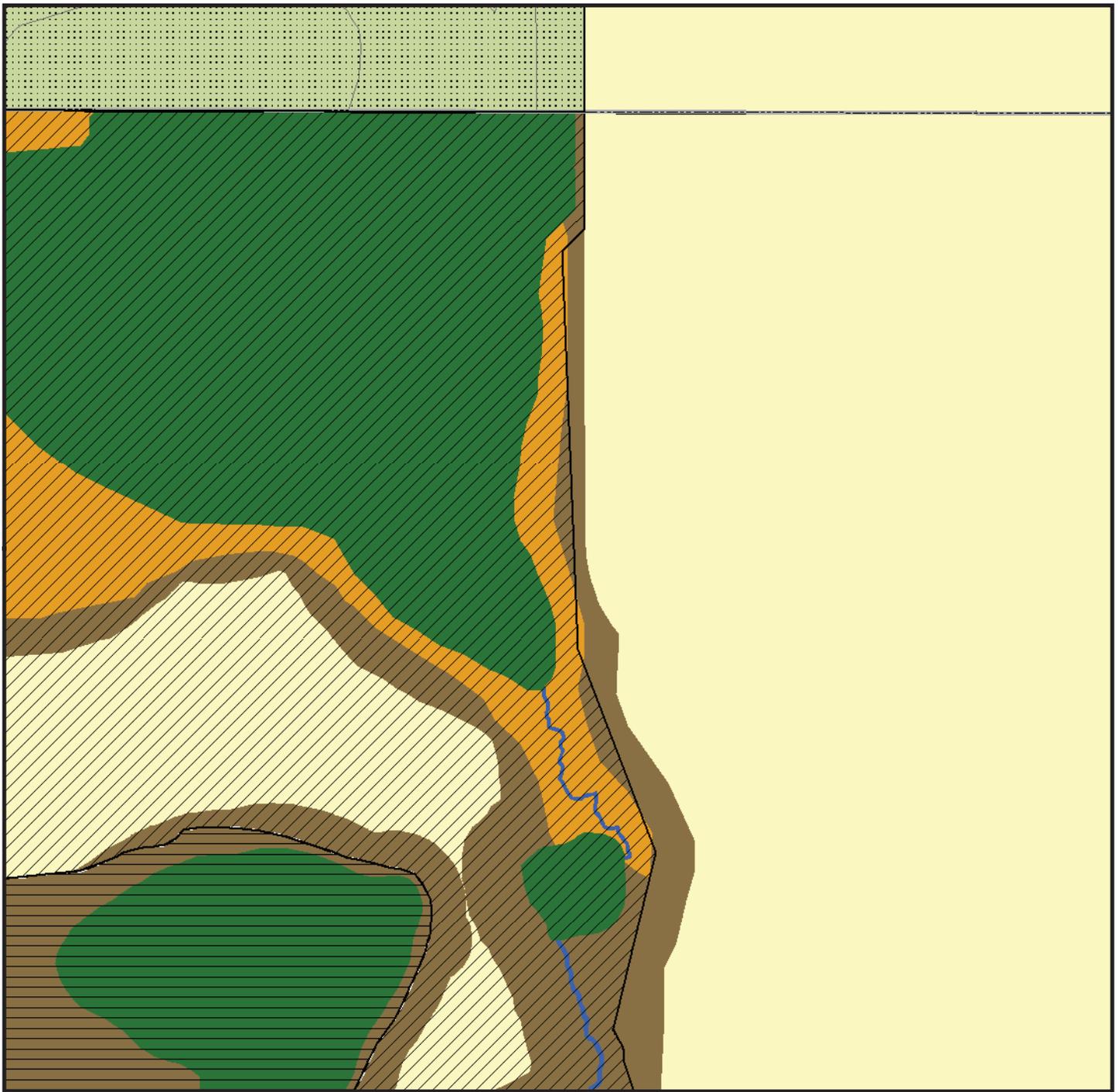
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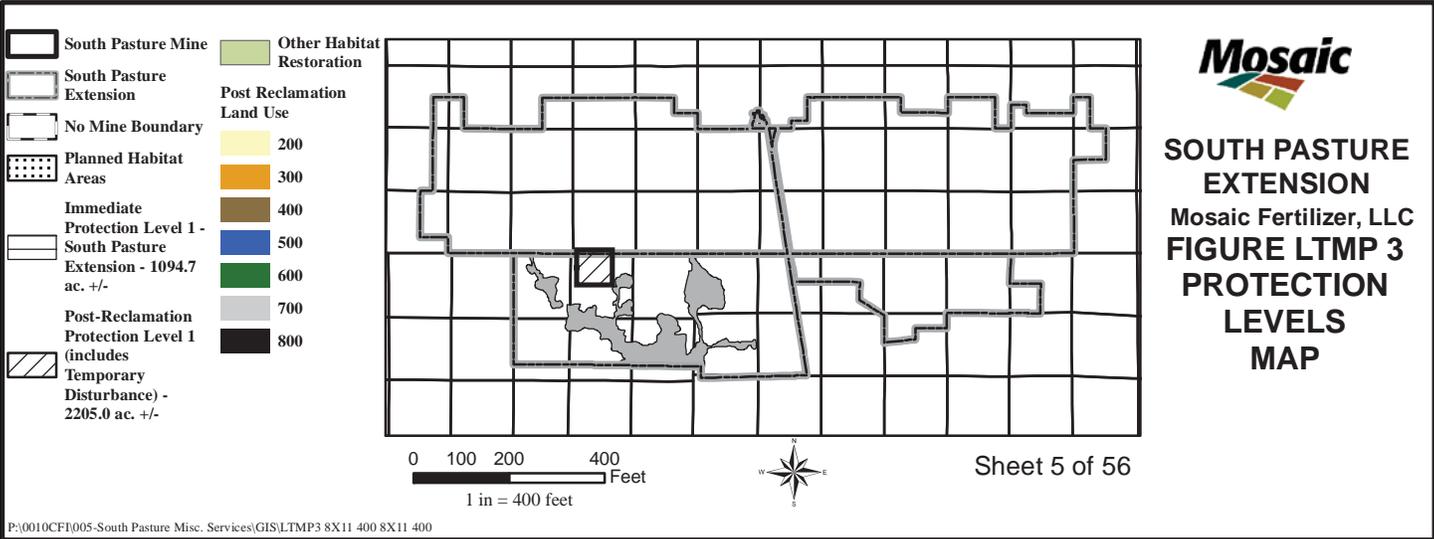
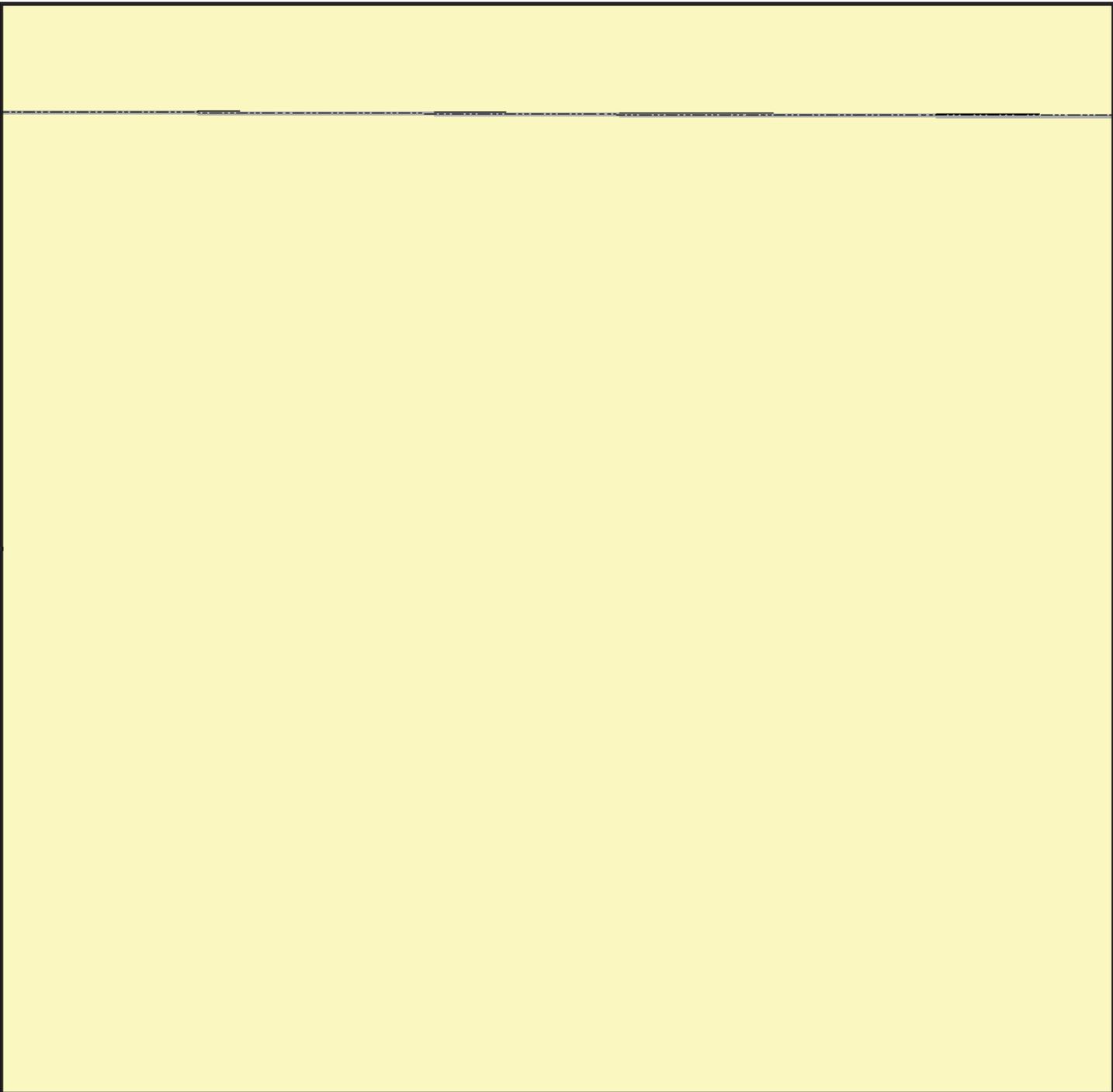
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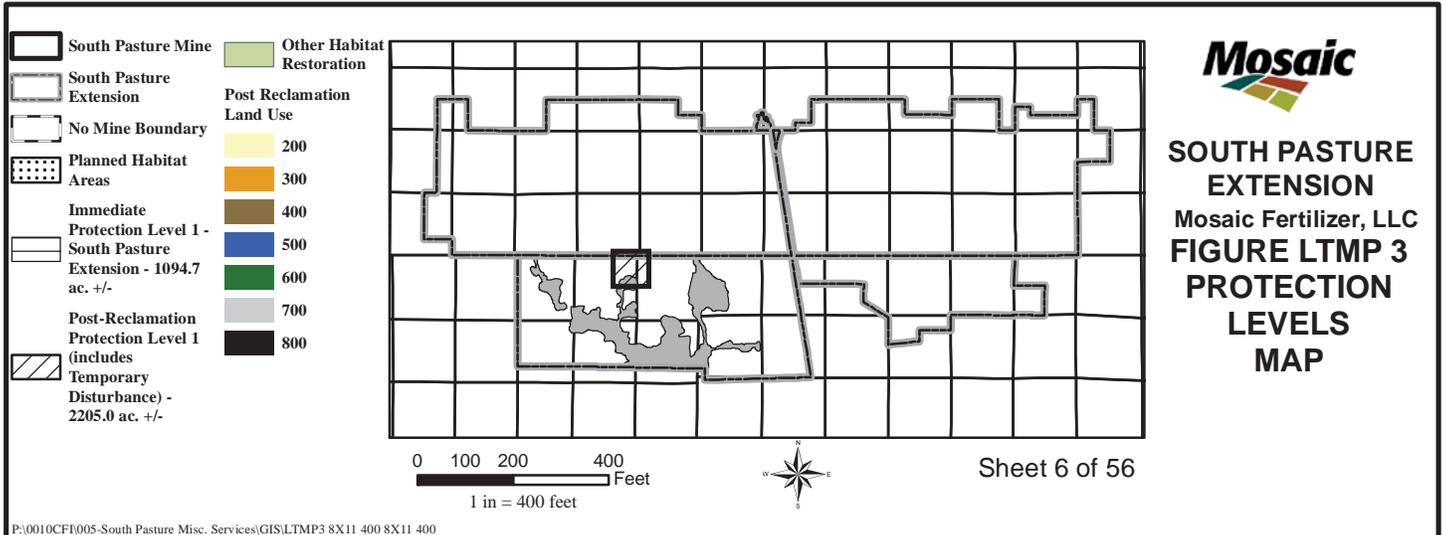
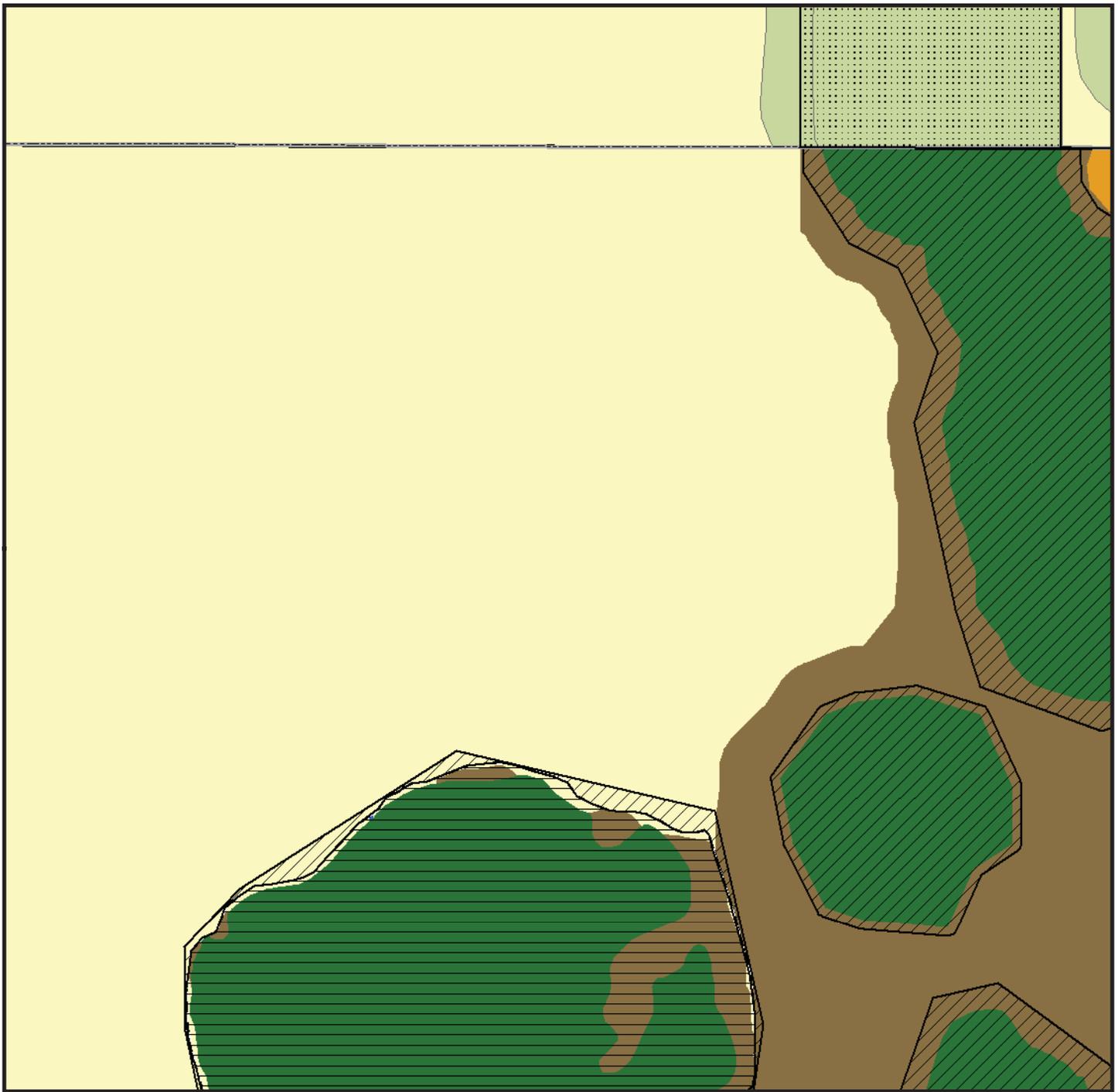


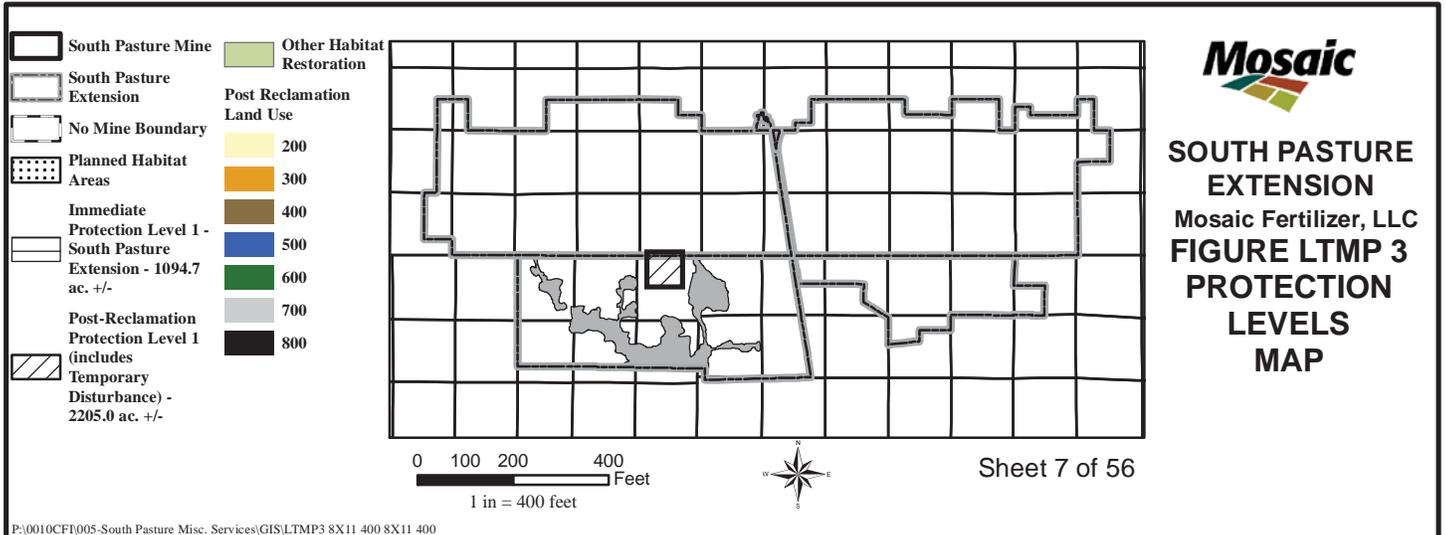
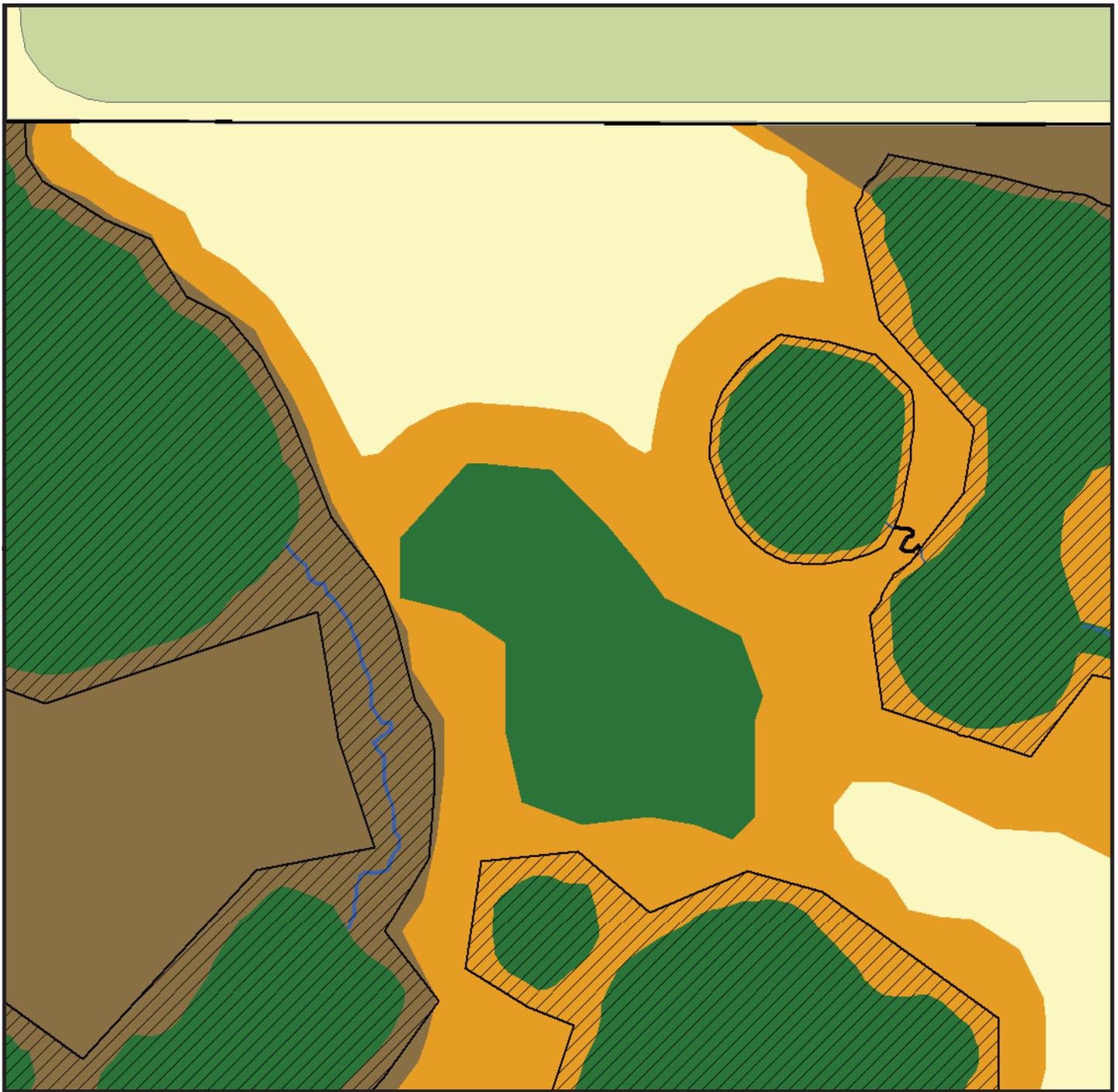


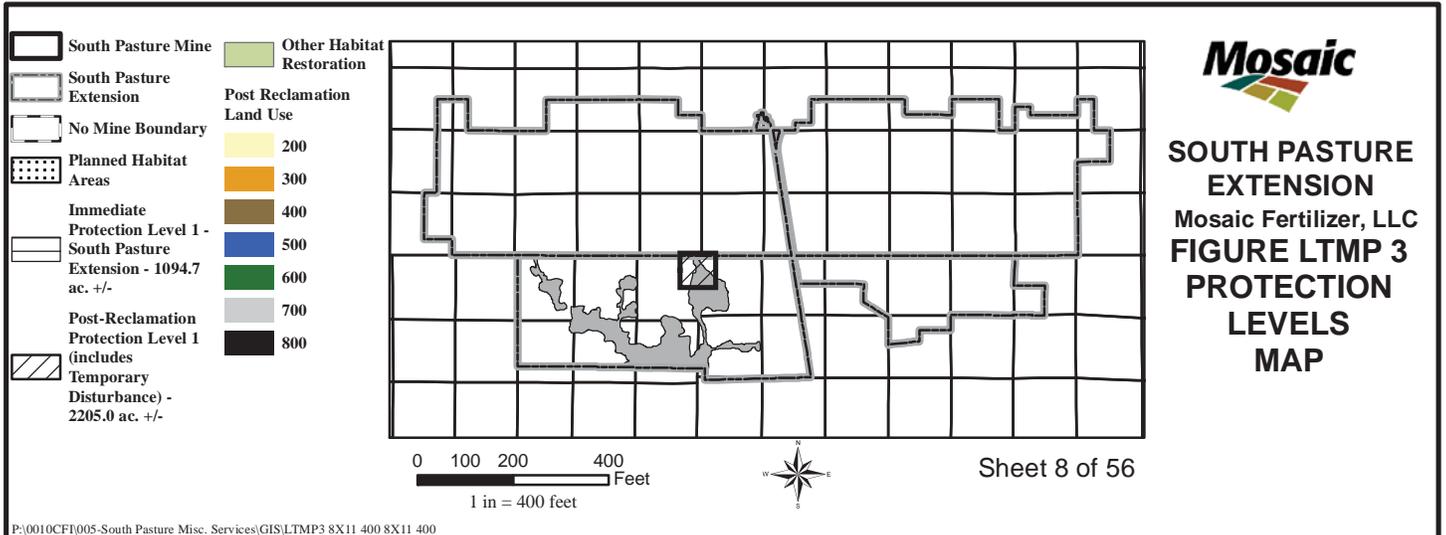
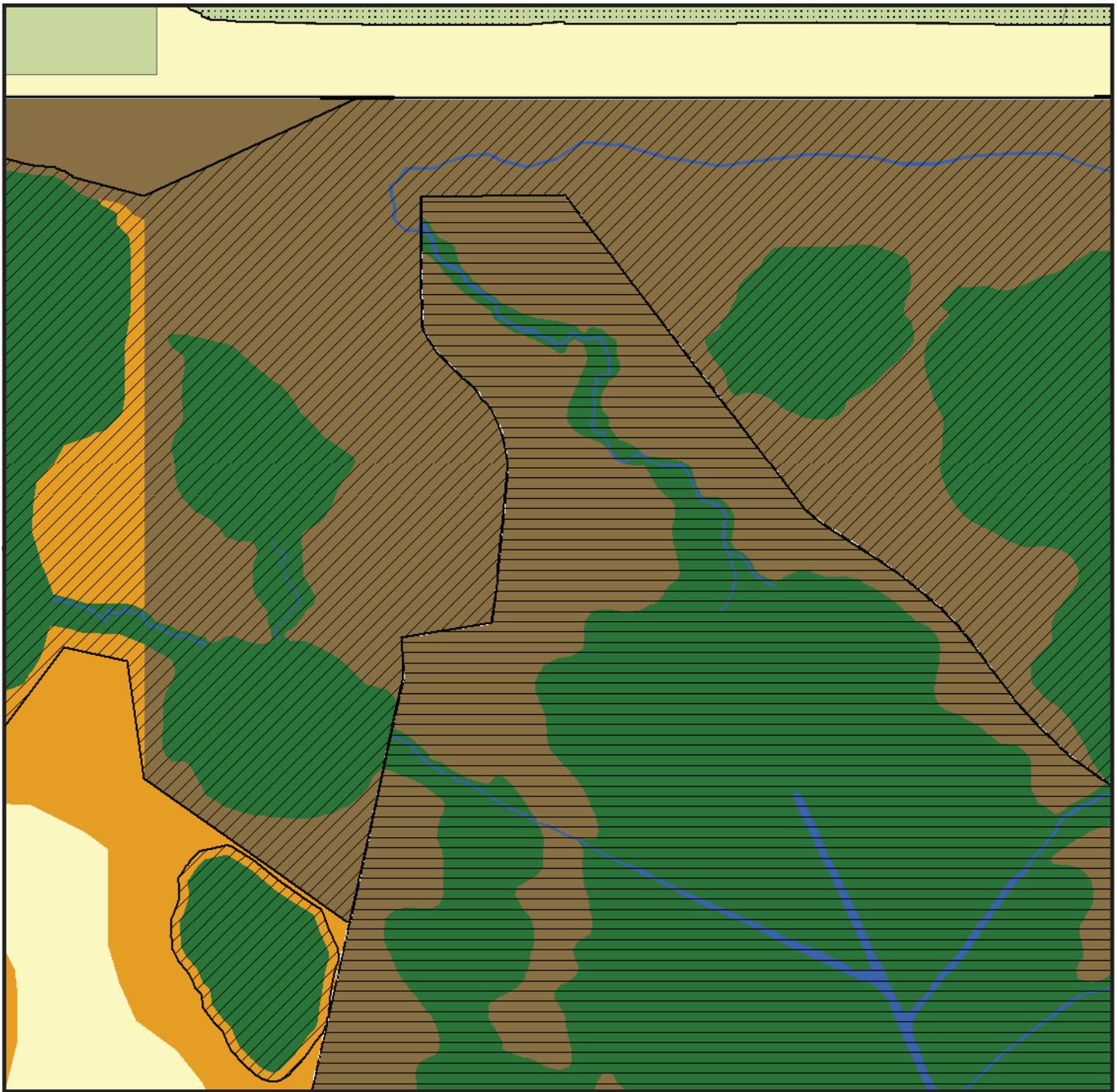


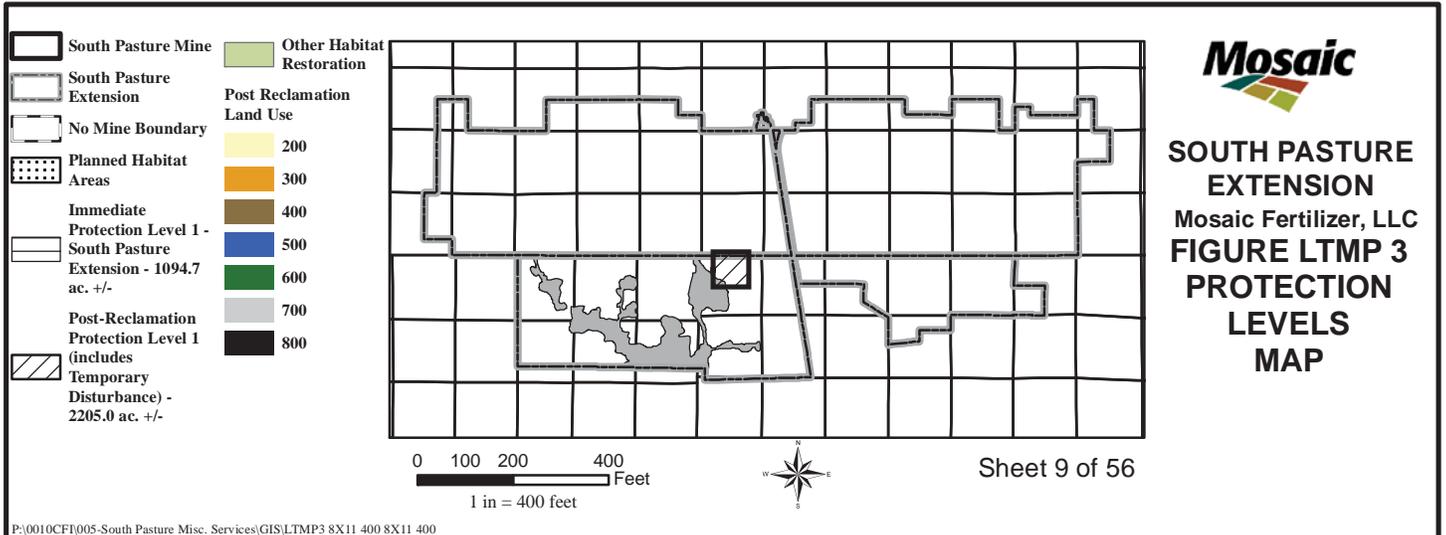


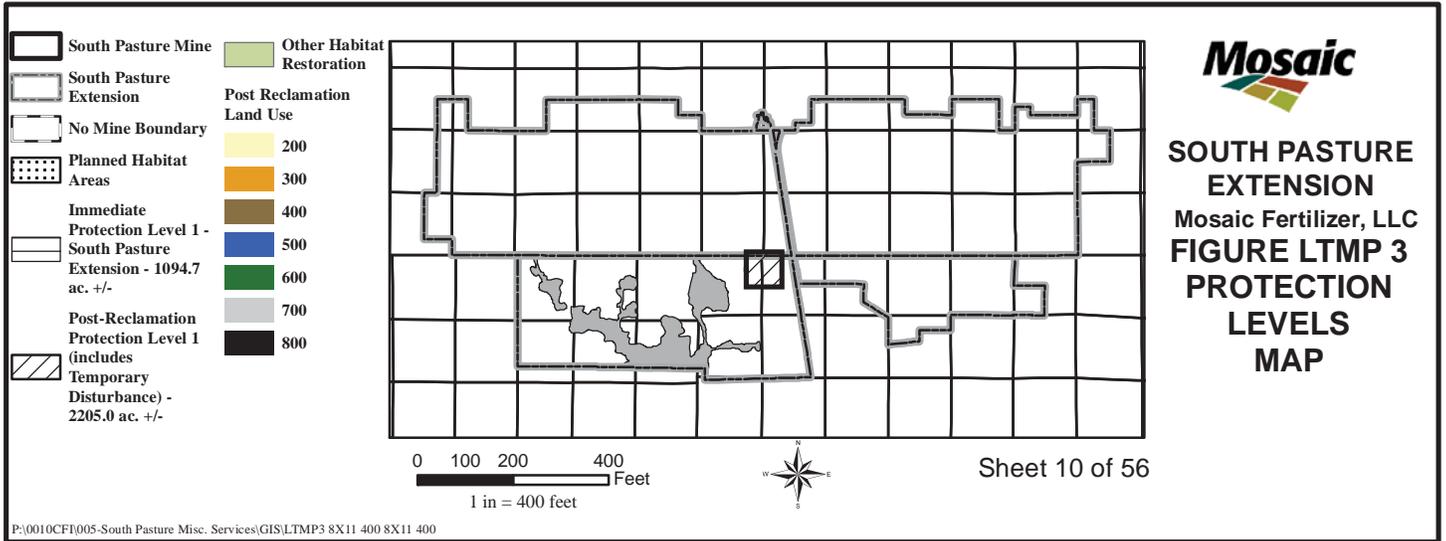
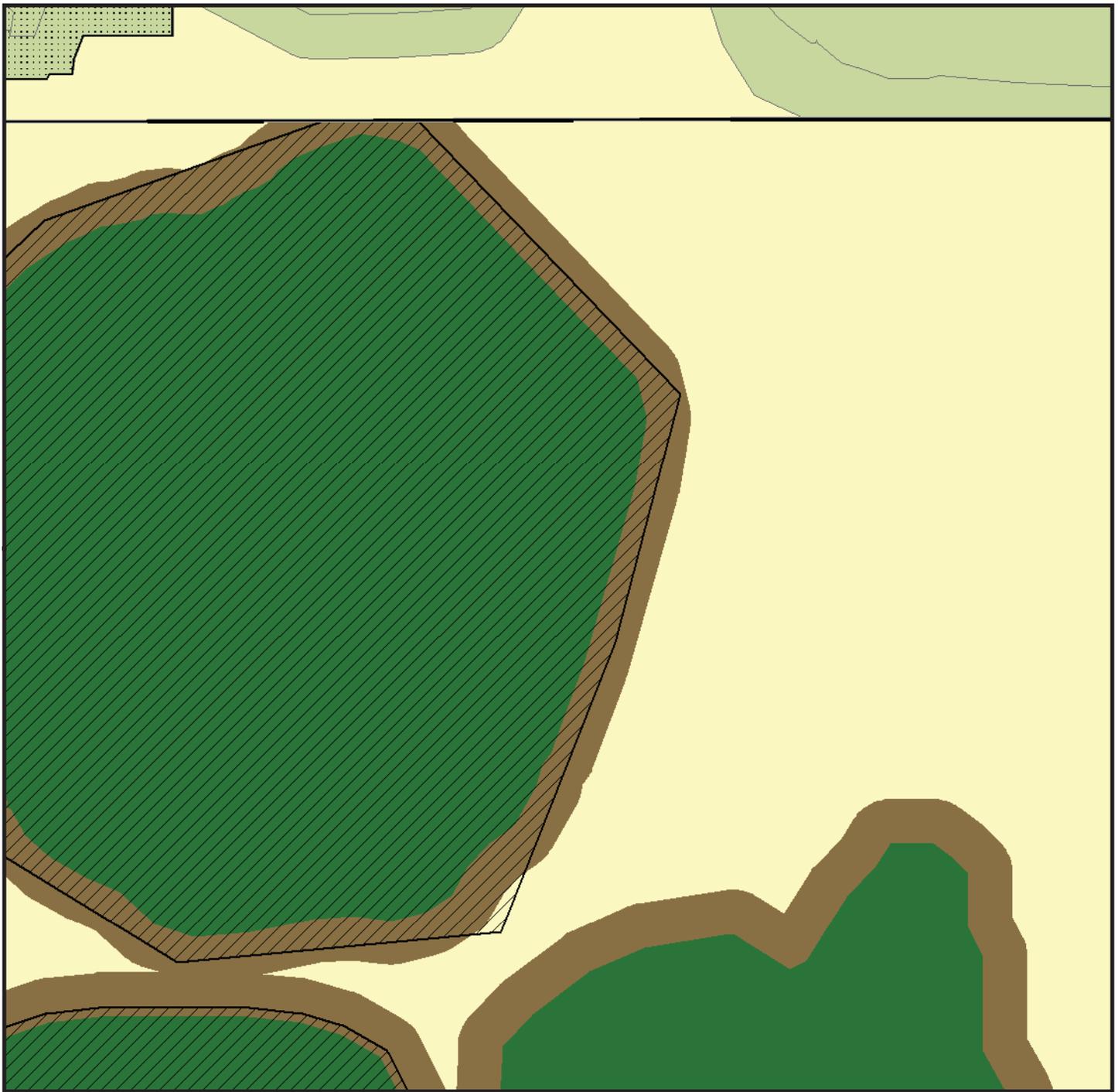


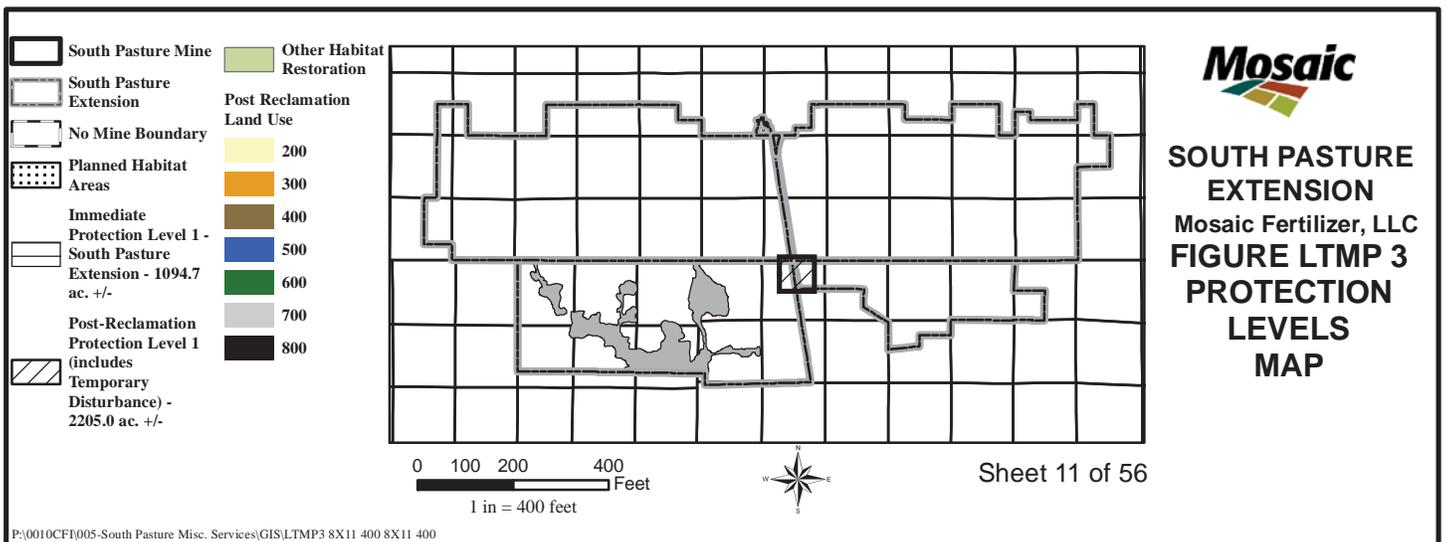
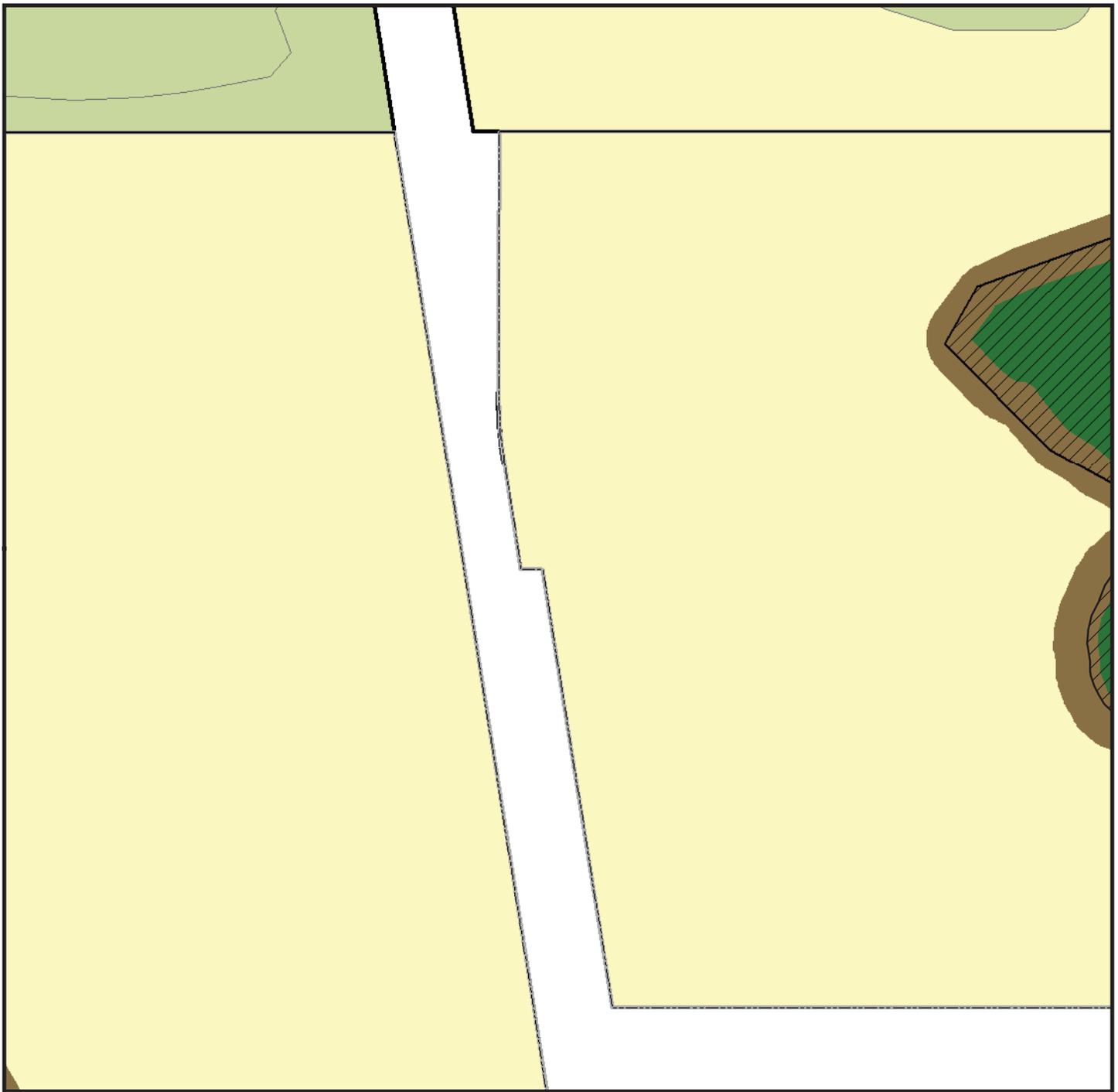


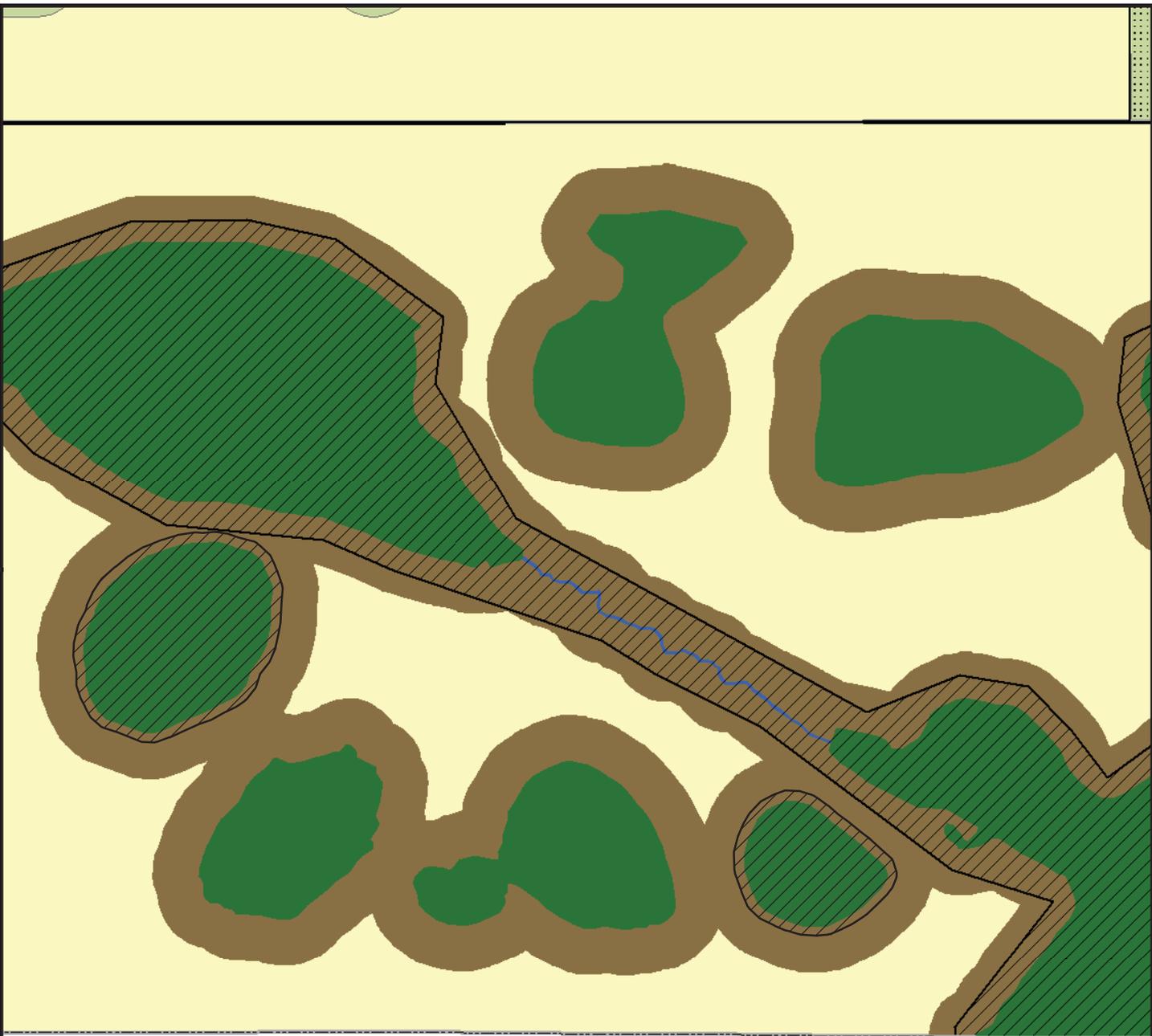






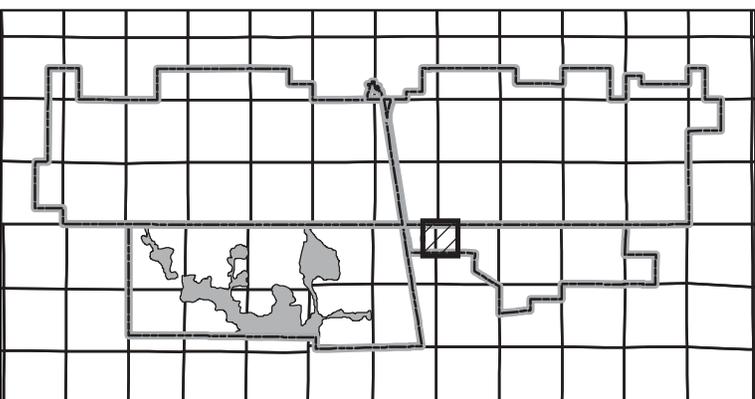




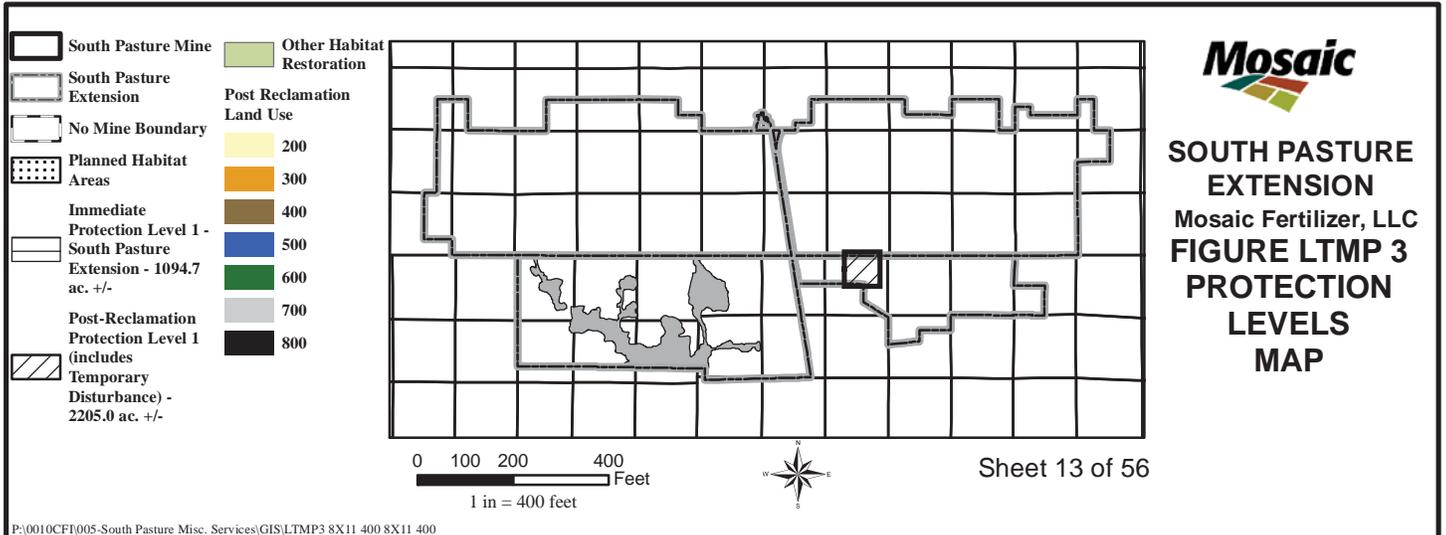
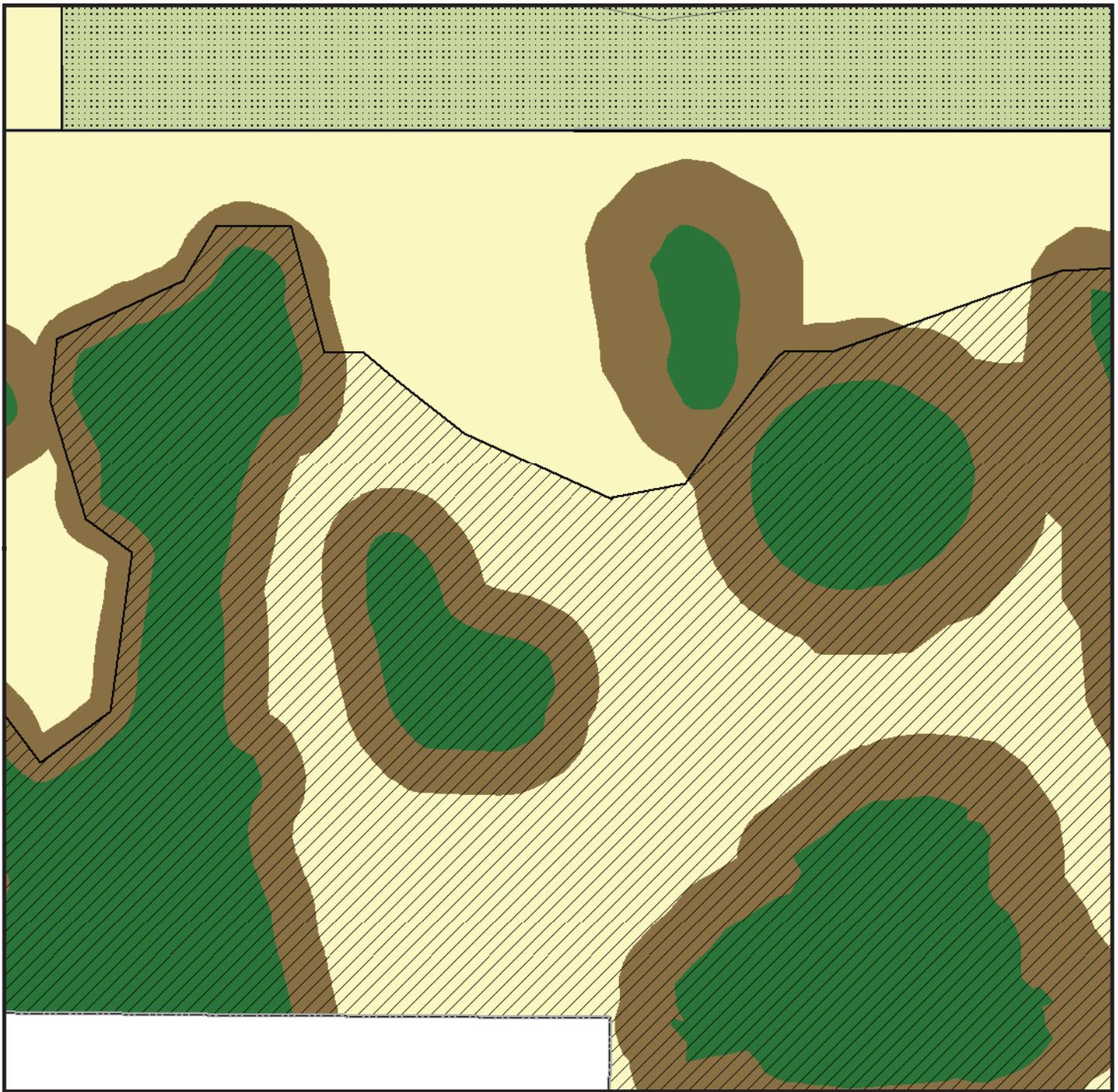


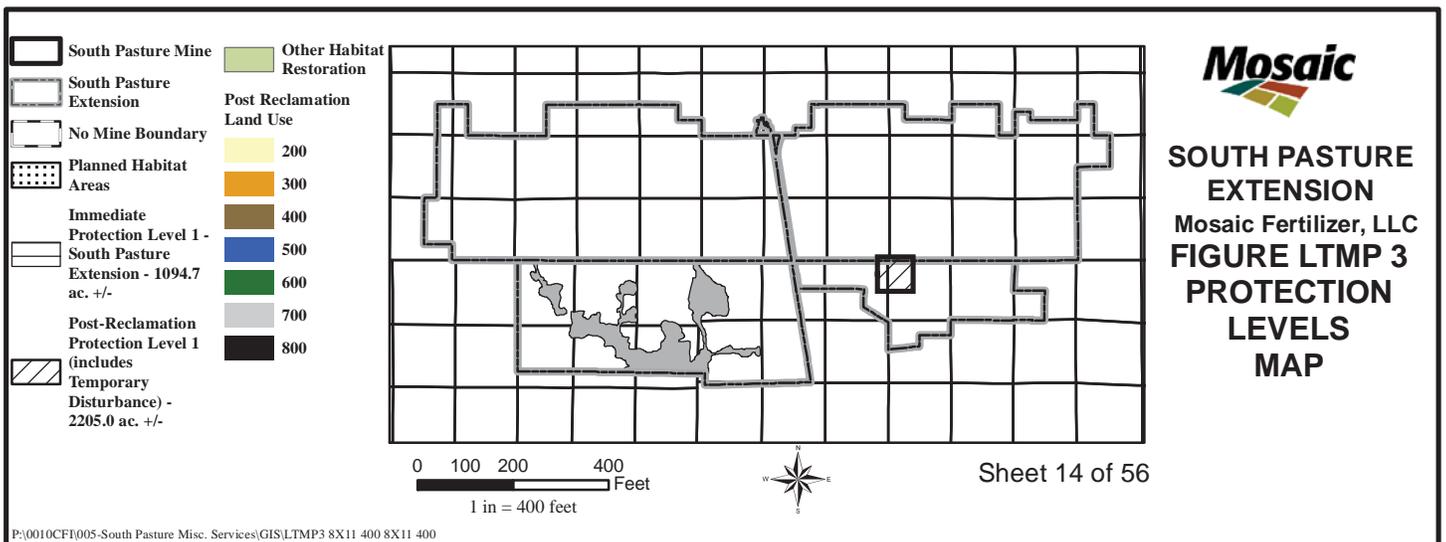
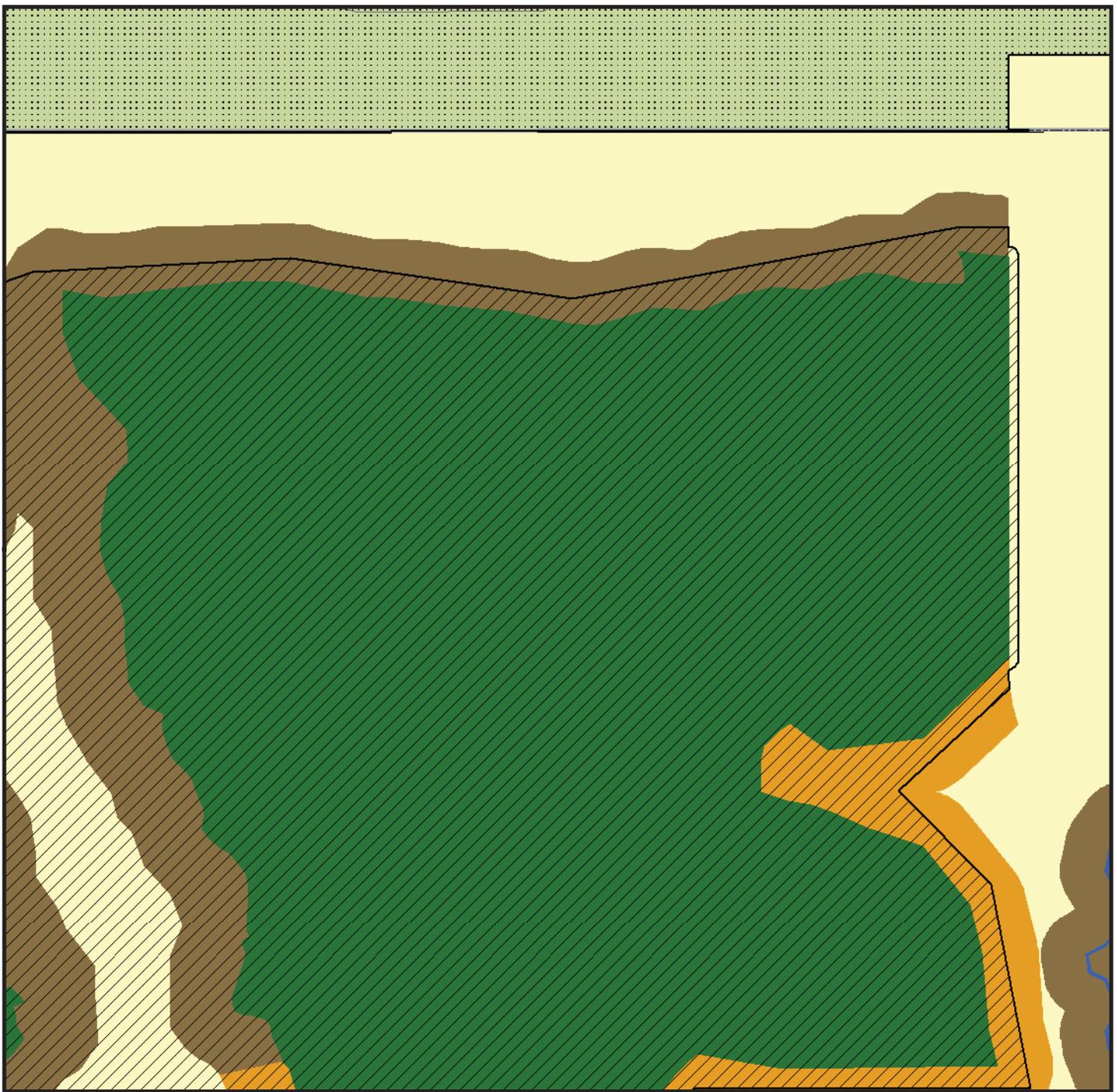
-  South Pasture Mine
-  South Pasture Extension
-  No Mine Boundary
-  Planned Habitat Areas
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-  Other Habitat Restoration

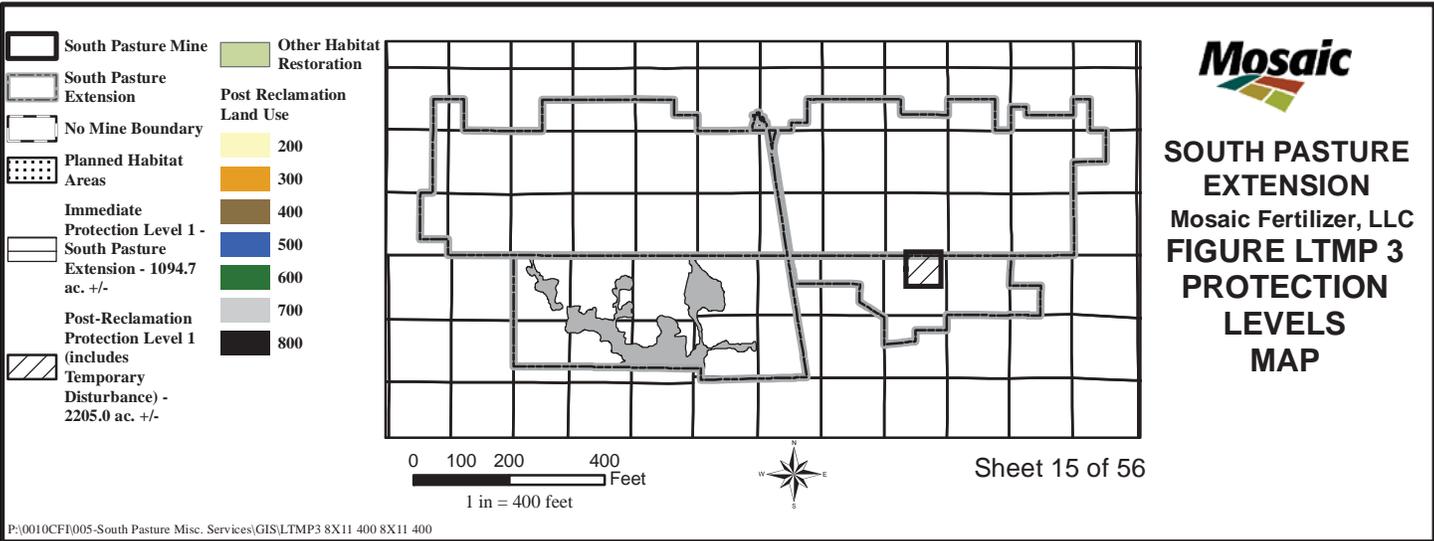
- Post Reclamation Land Use
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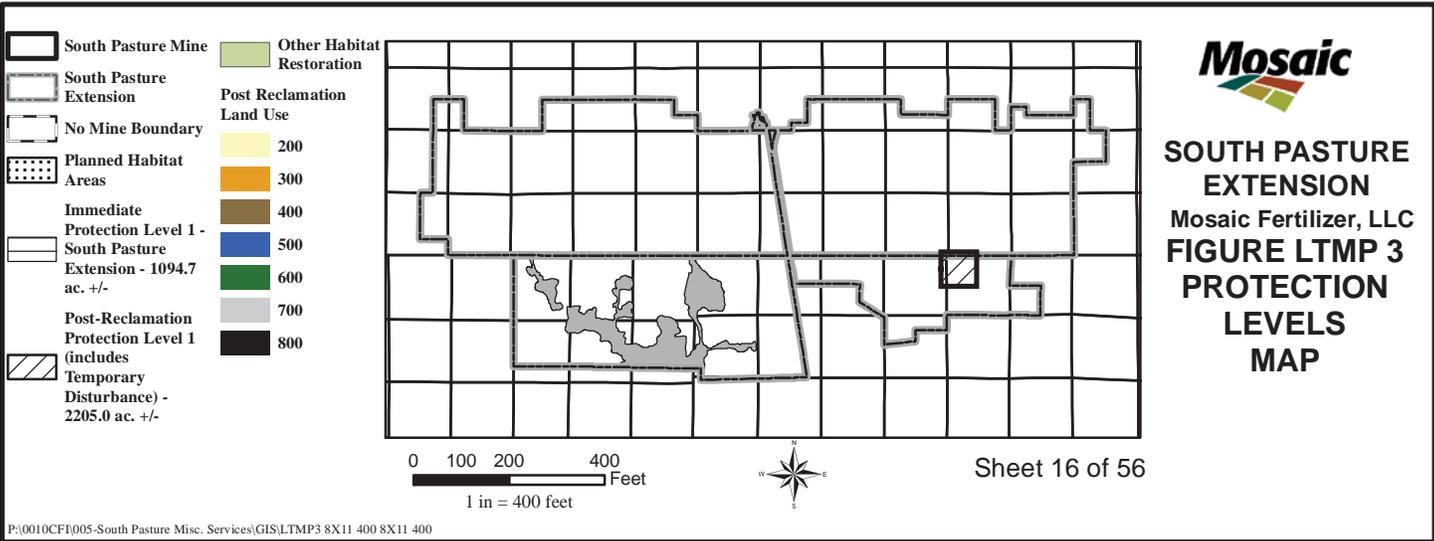
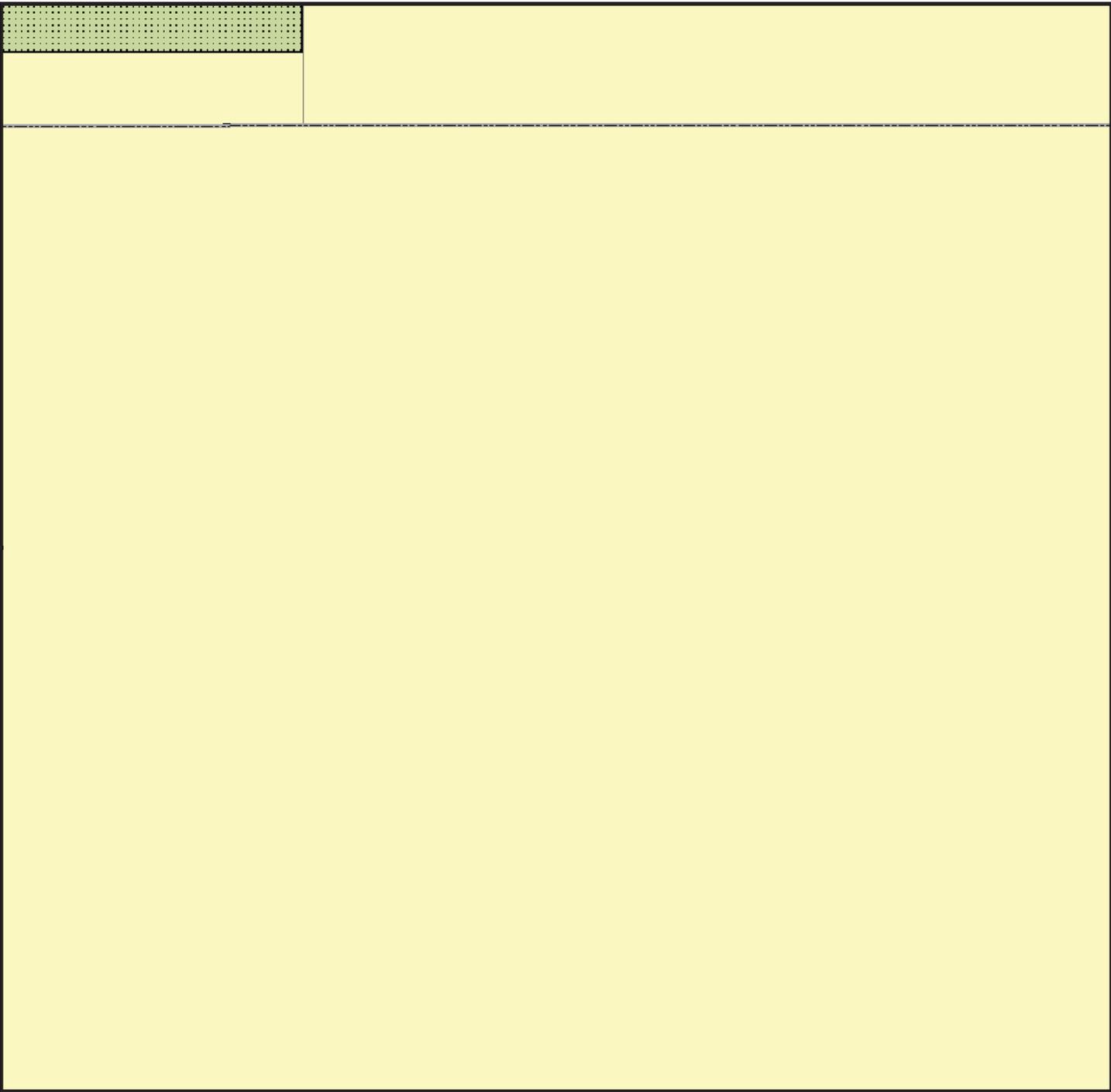


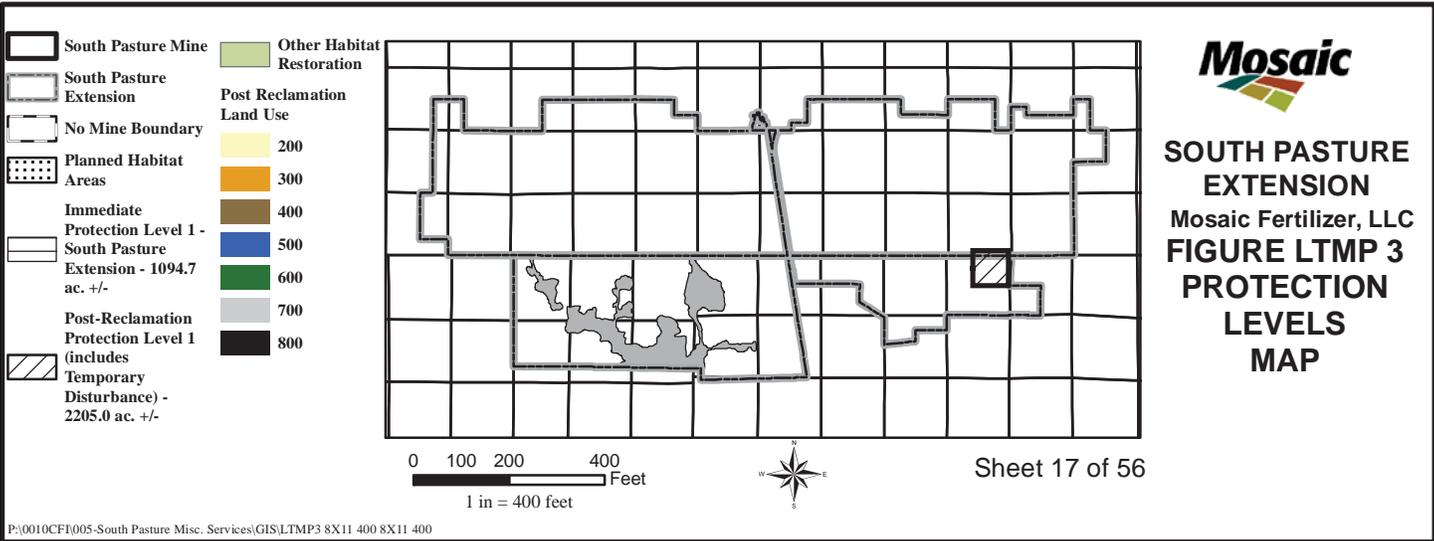
SOUTH PASTURE EXTENSION
 Mosaic Fertilizer, LLC
FIGURE LTMP 3 PROTECTION LEVELS MAP

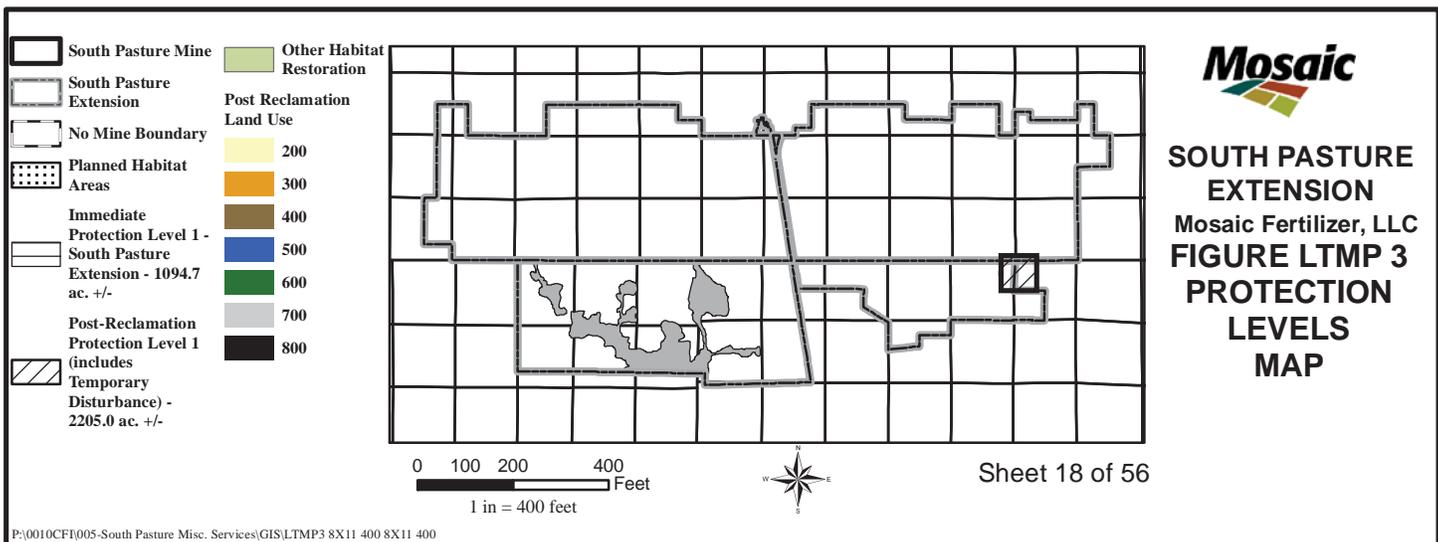
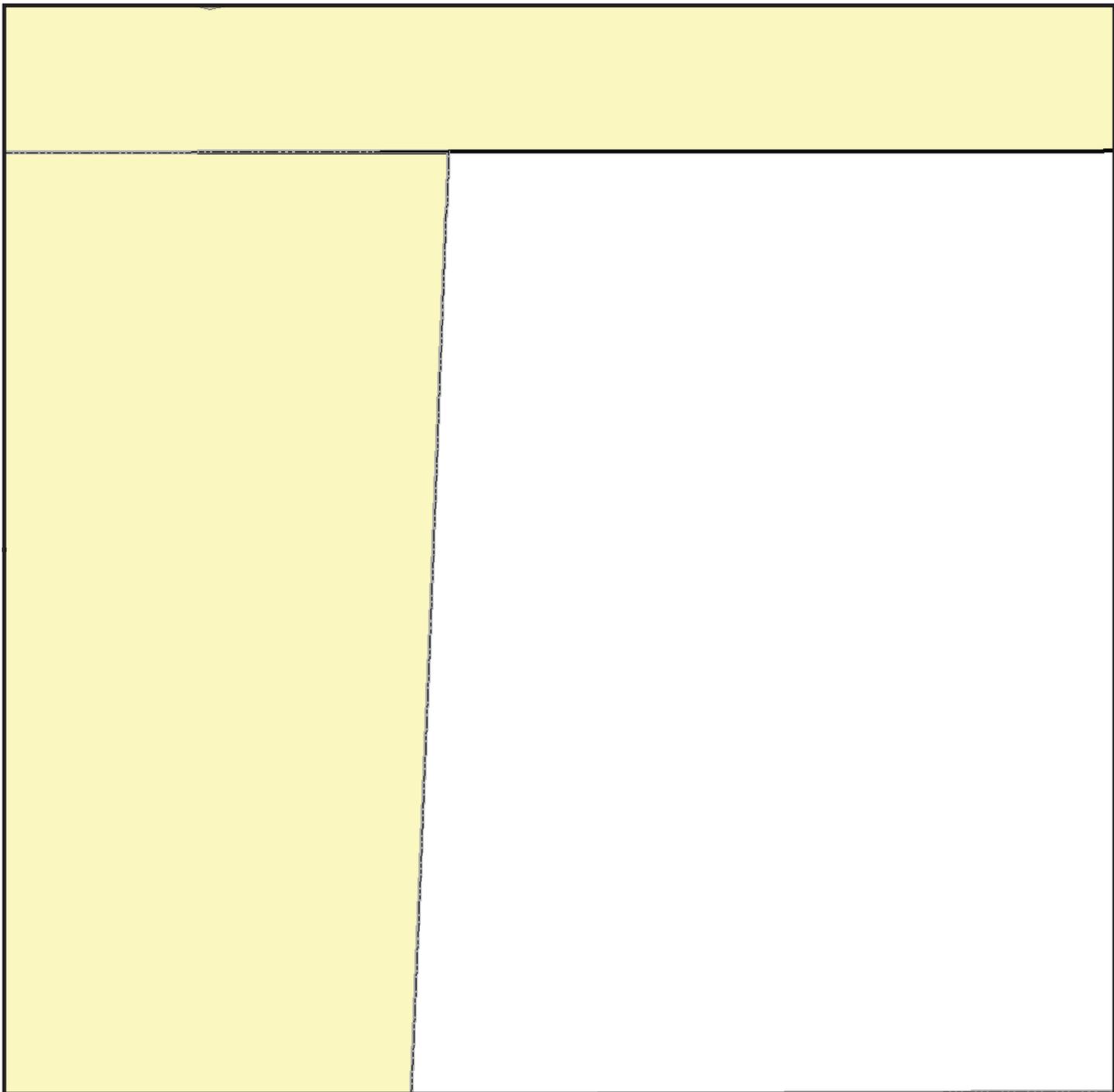


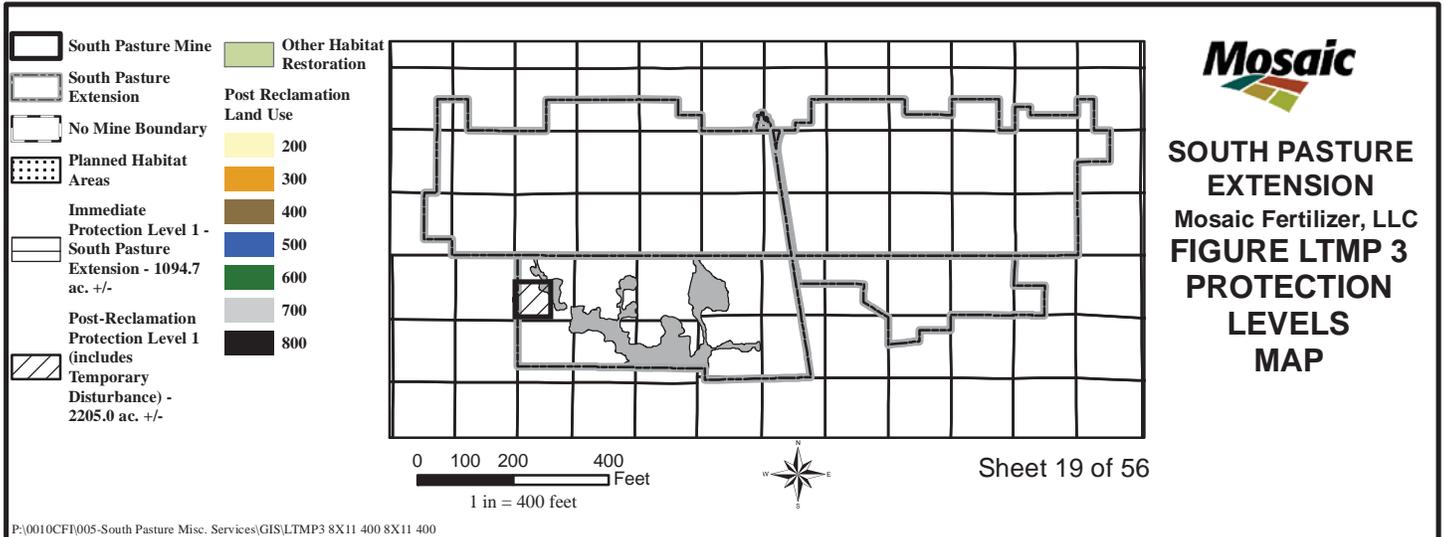
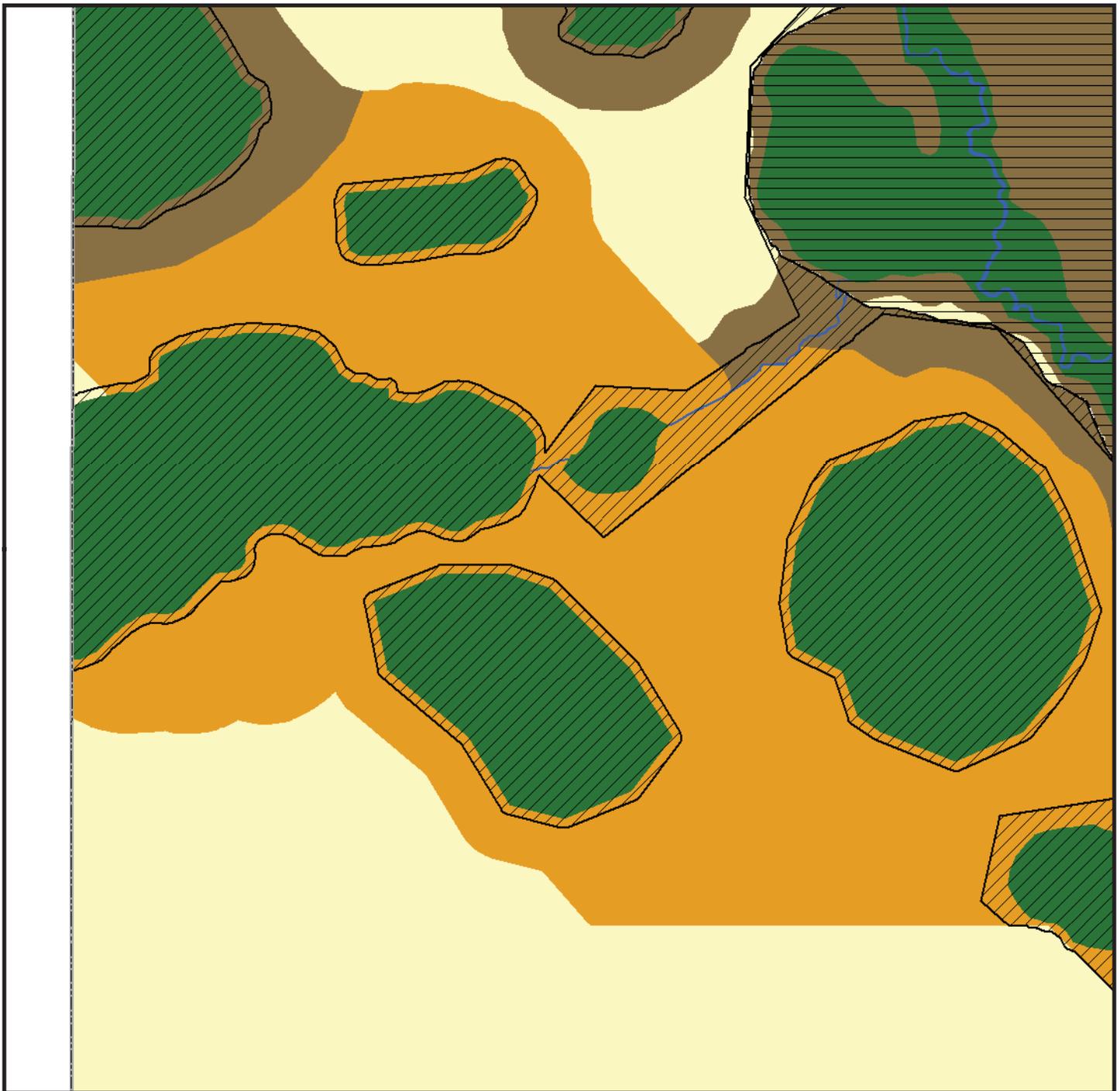


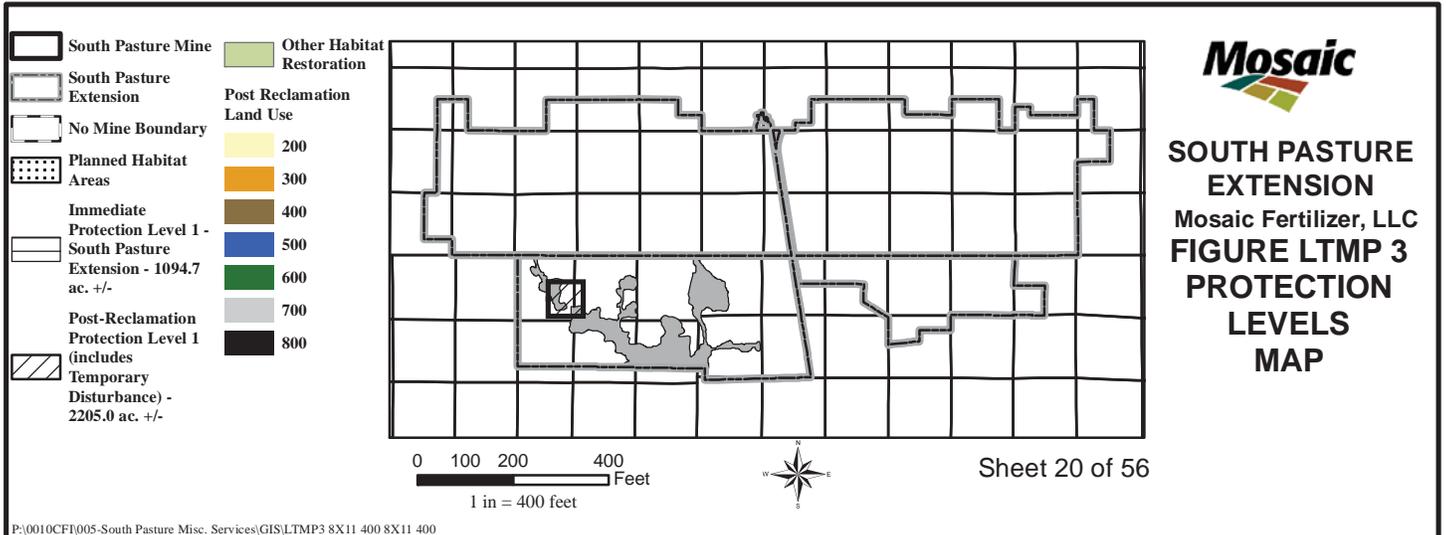


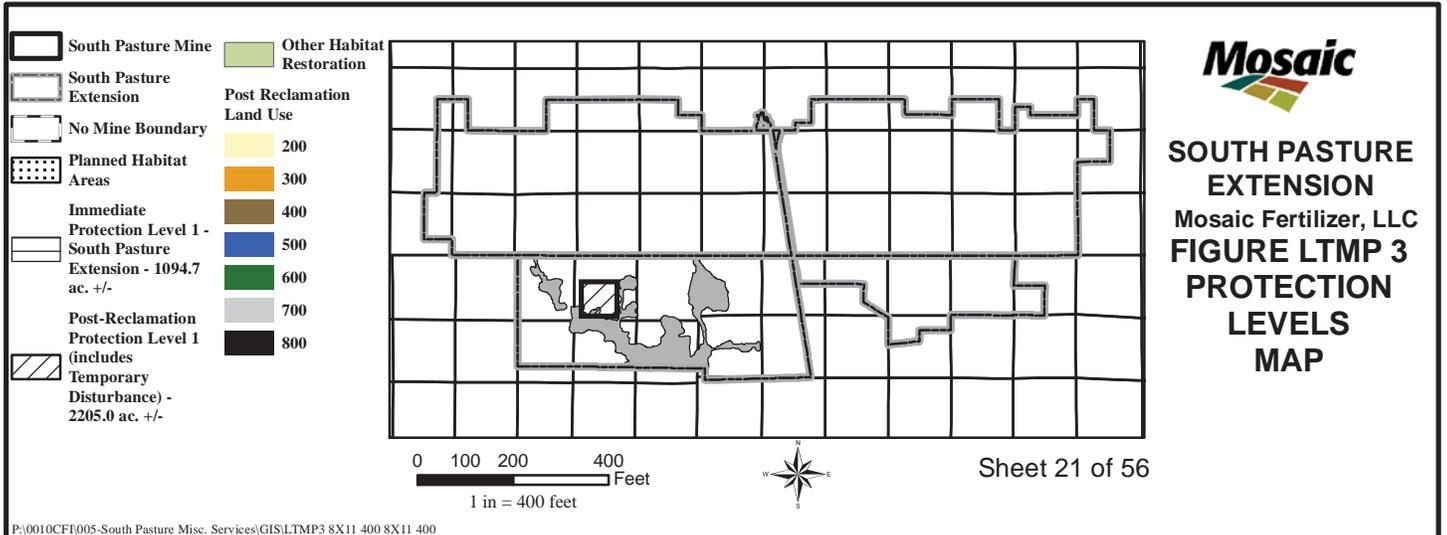
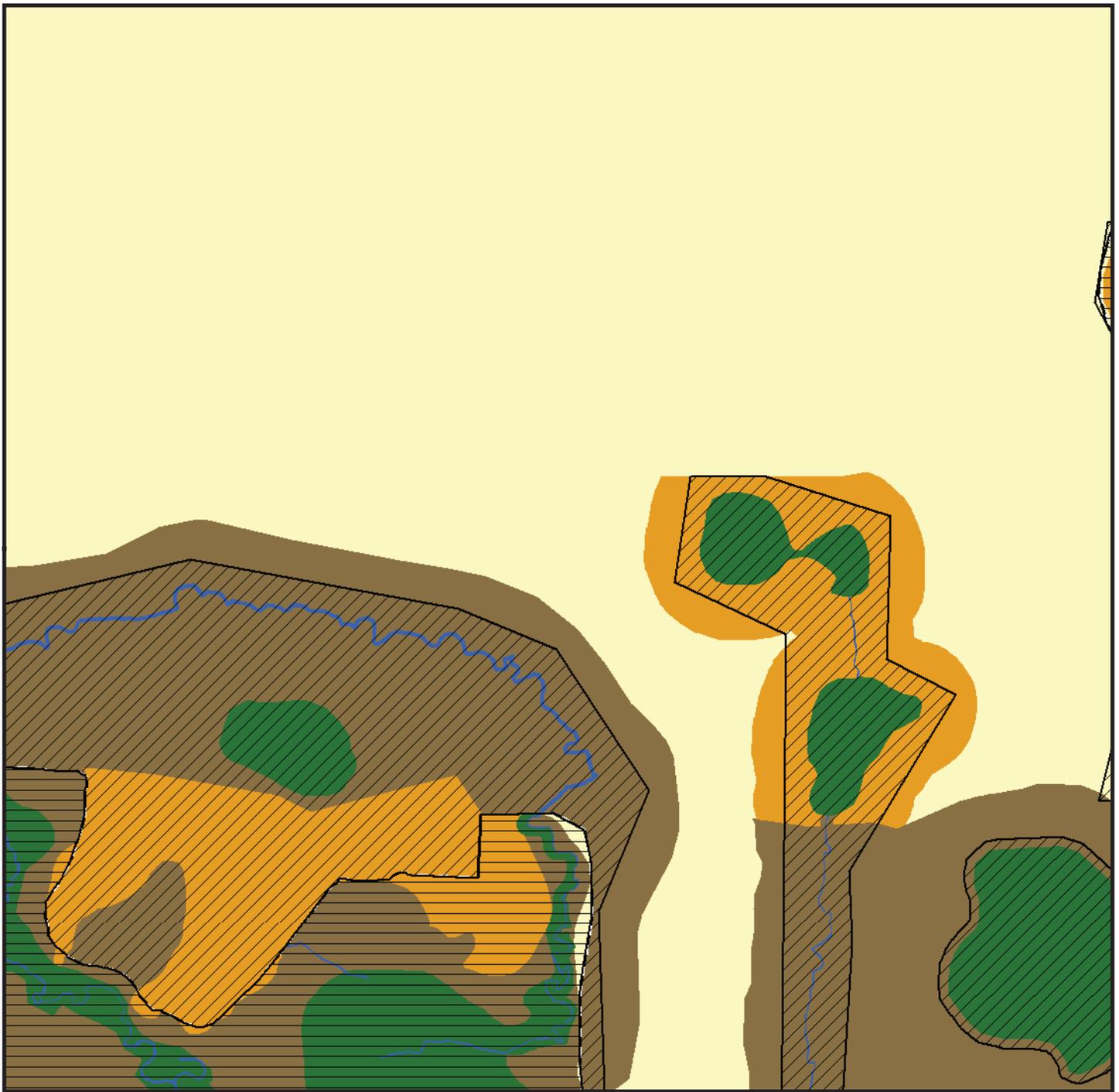


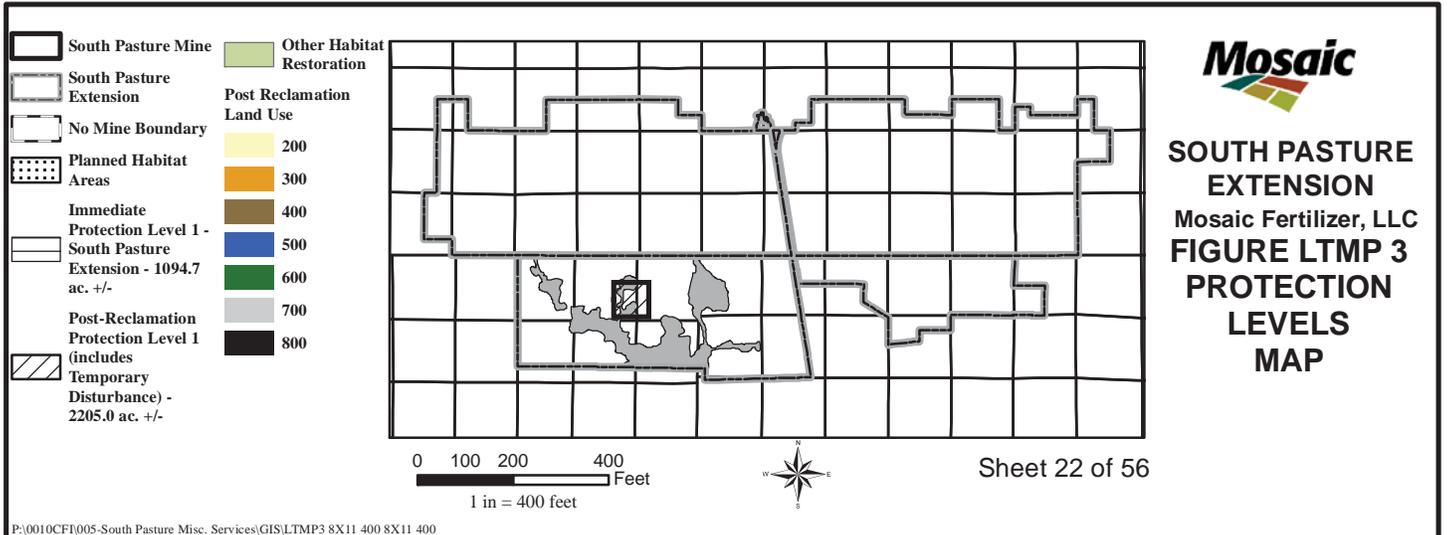


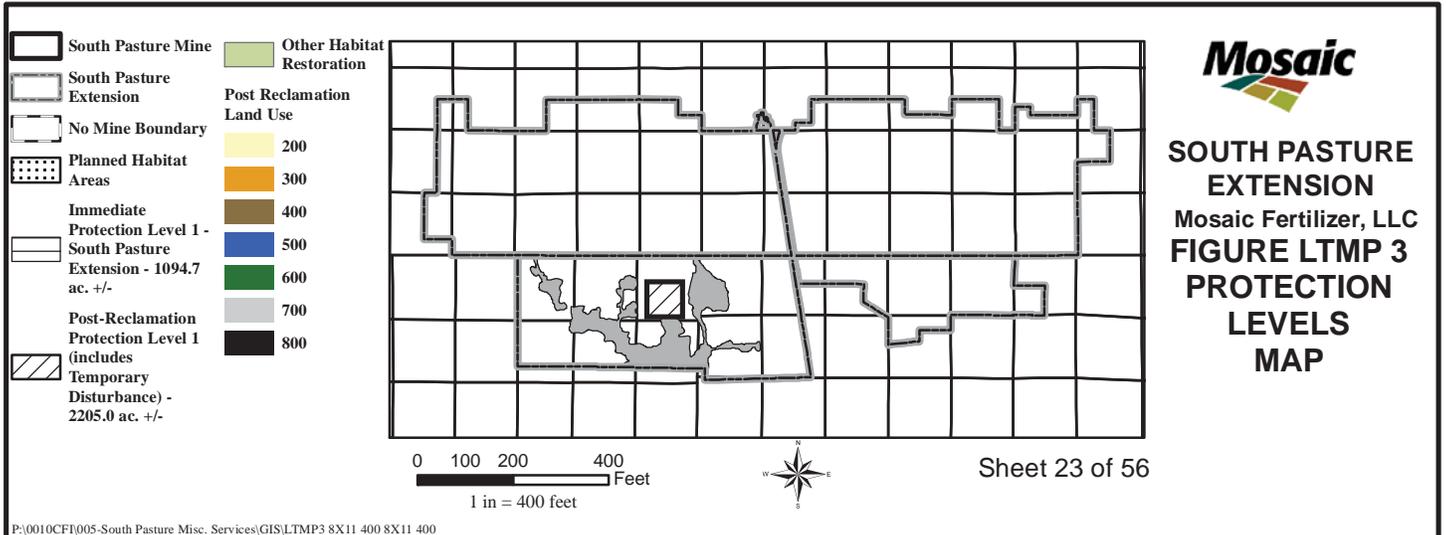
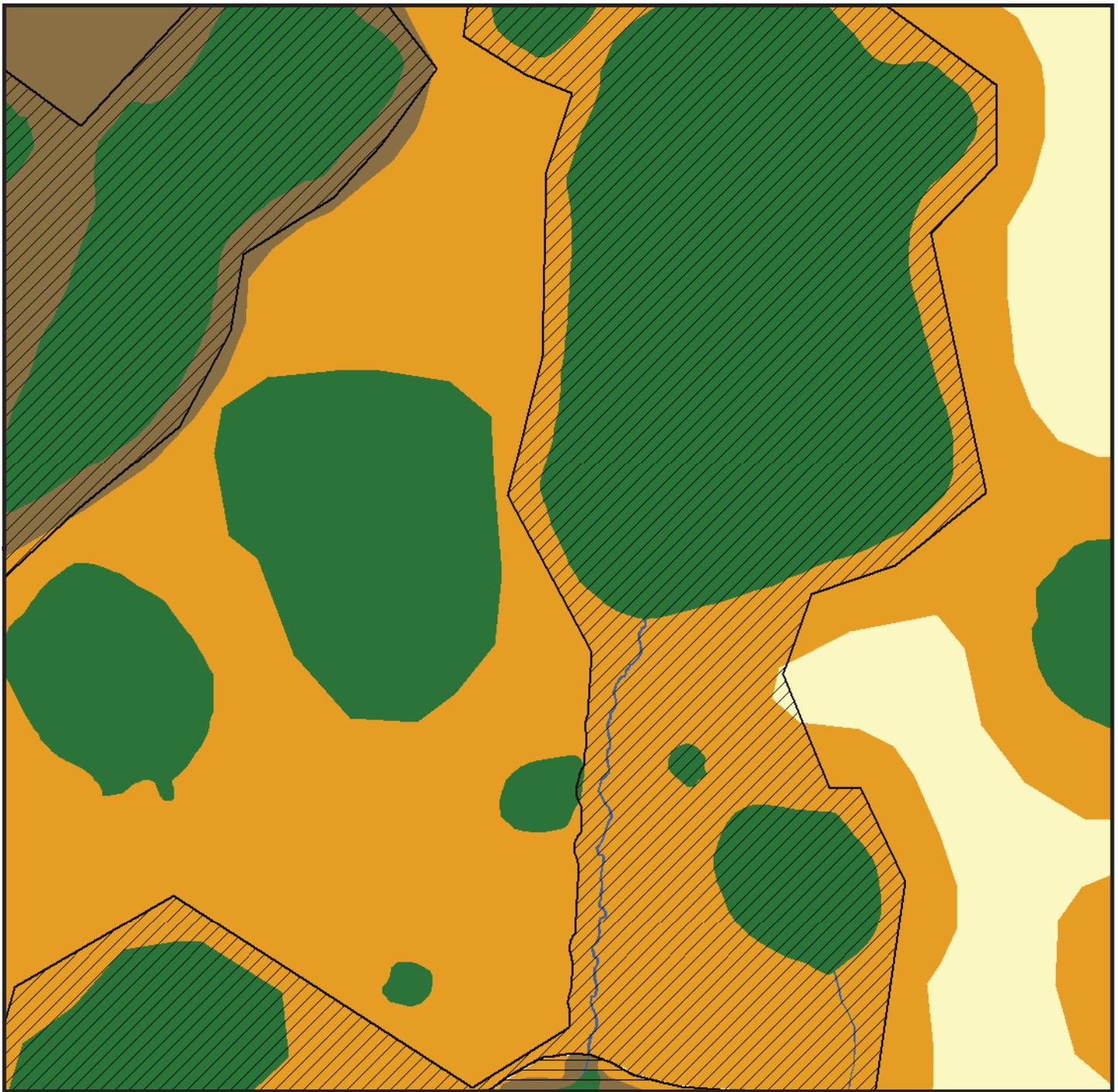


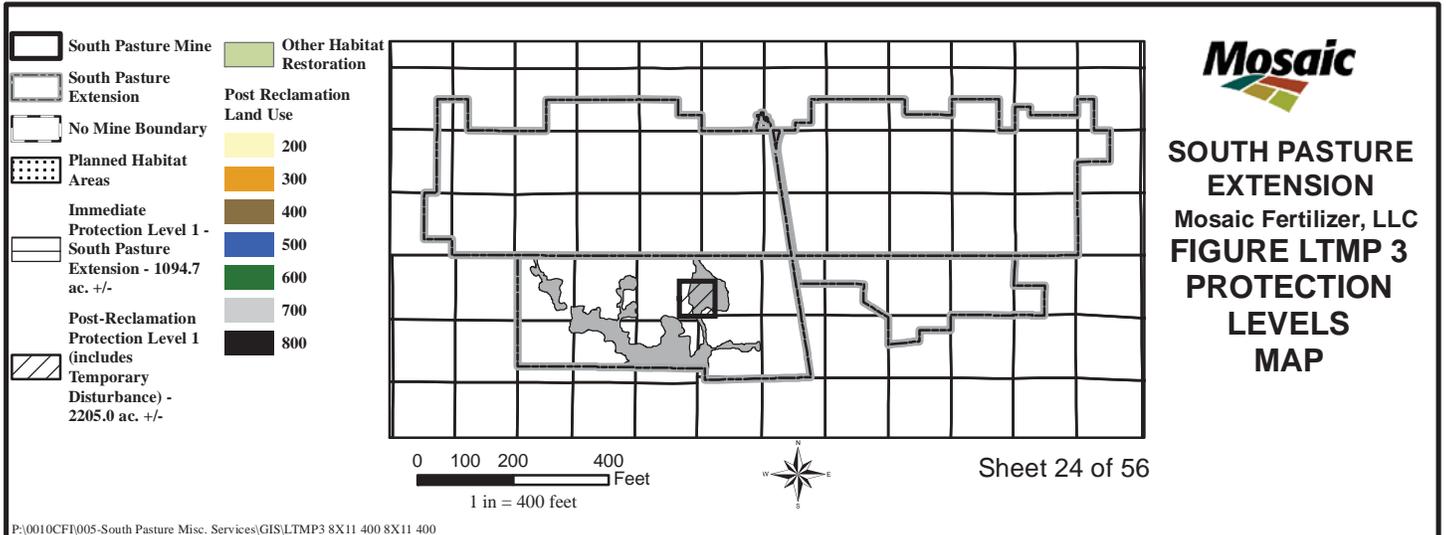
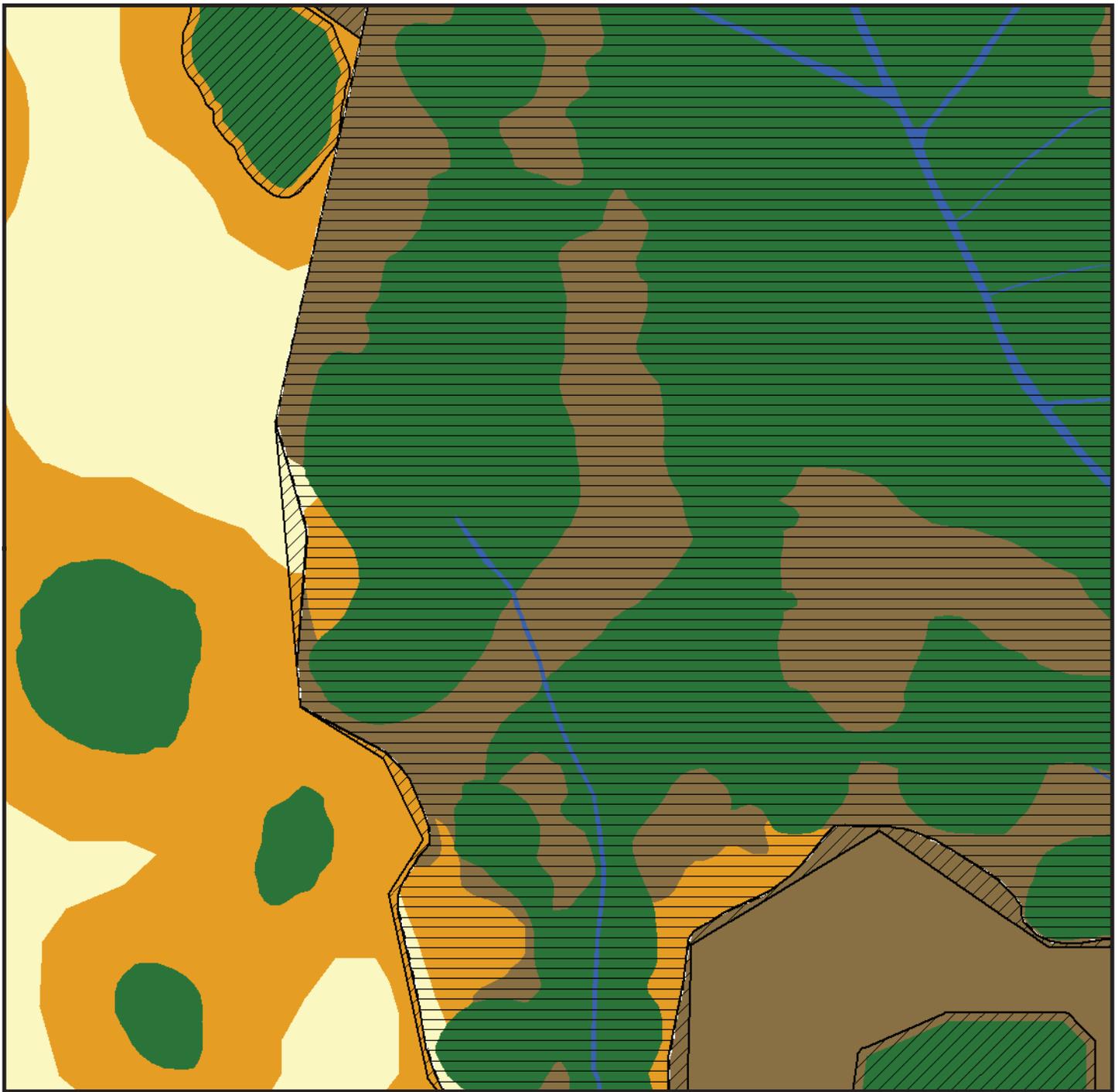


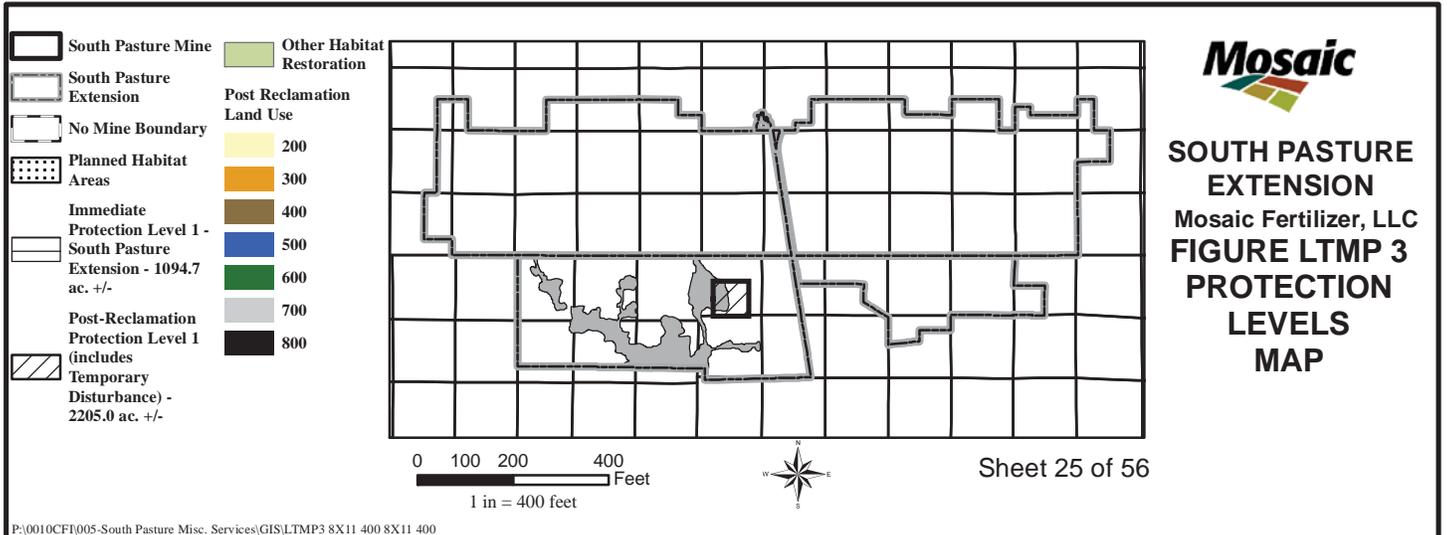
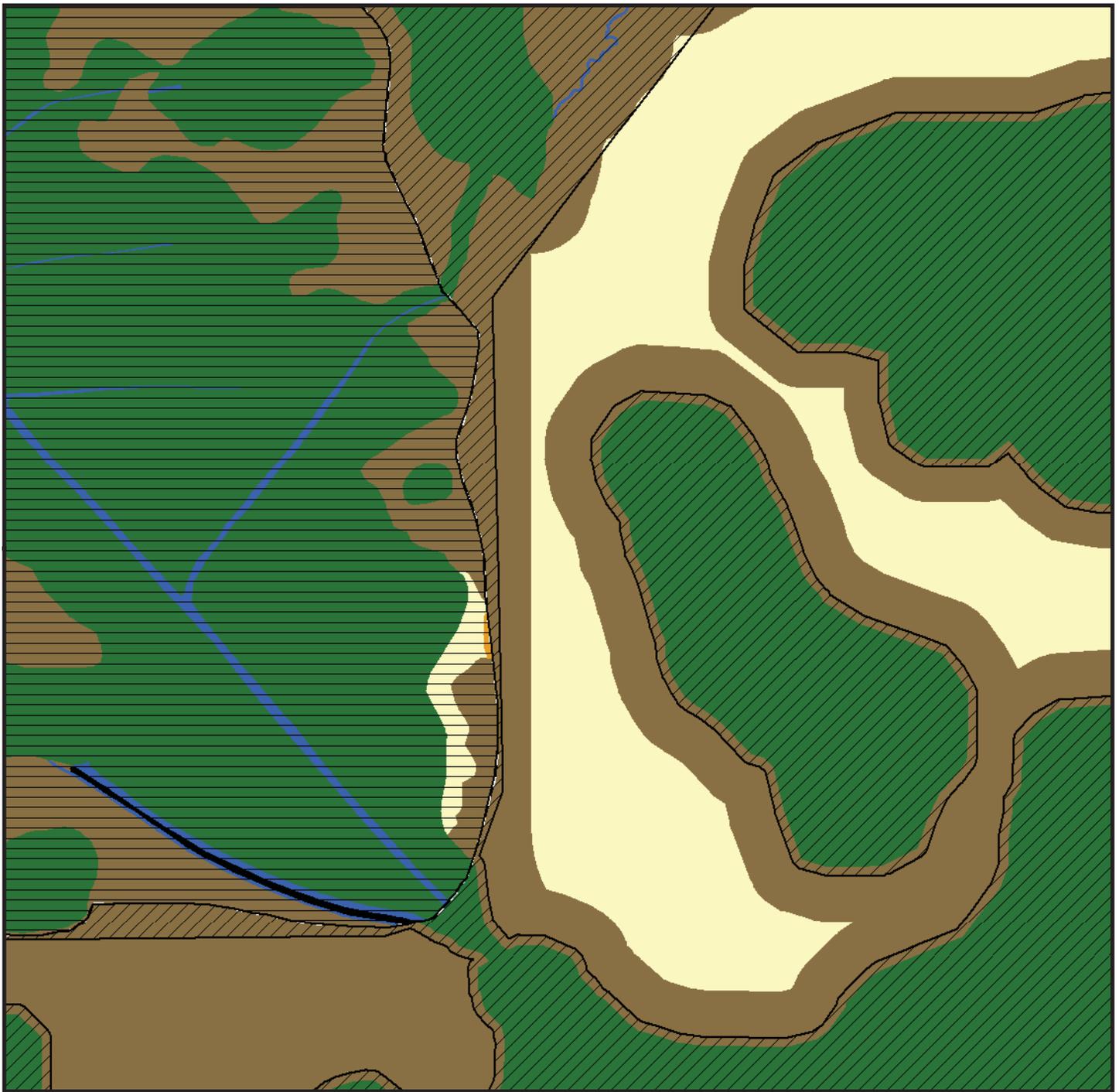


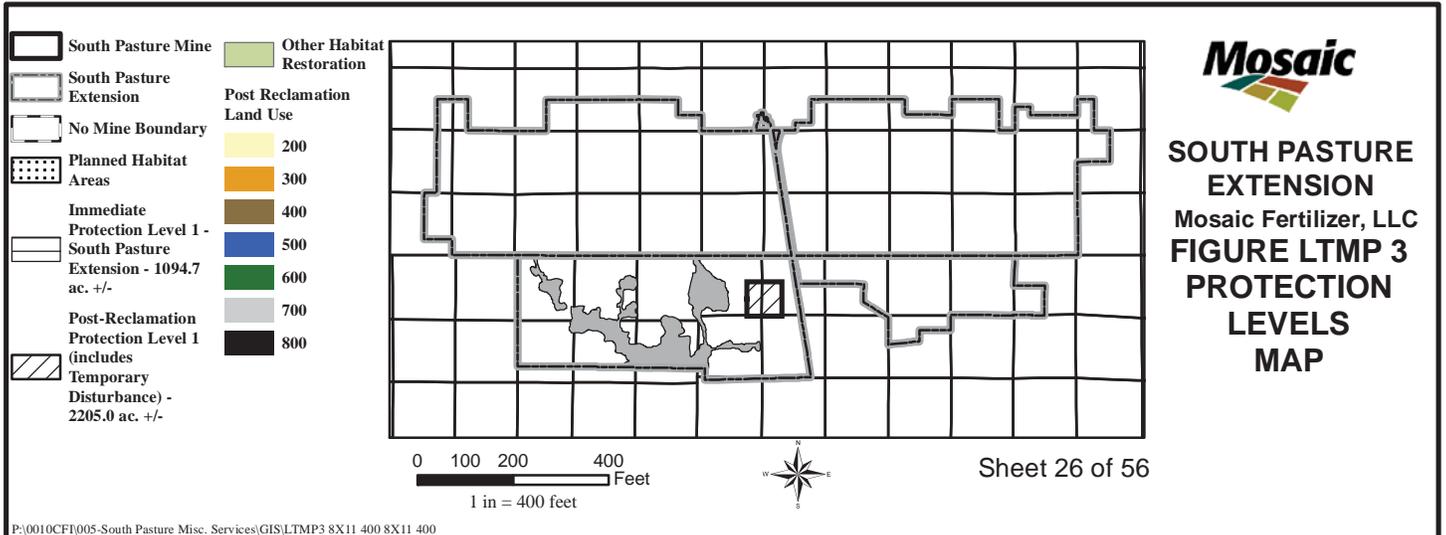
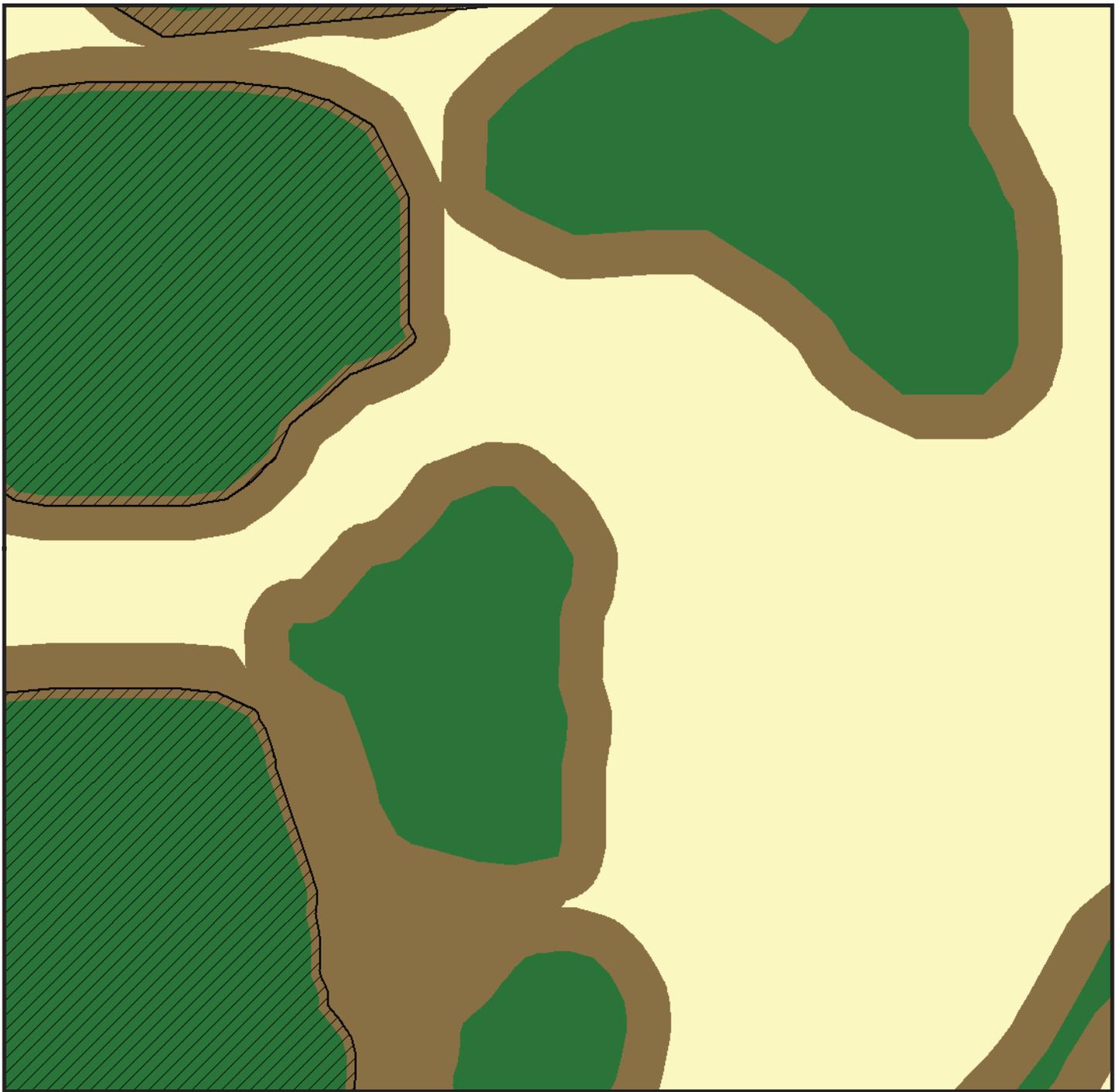


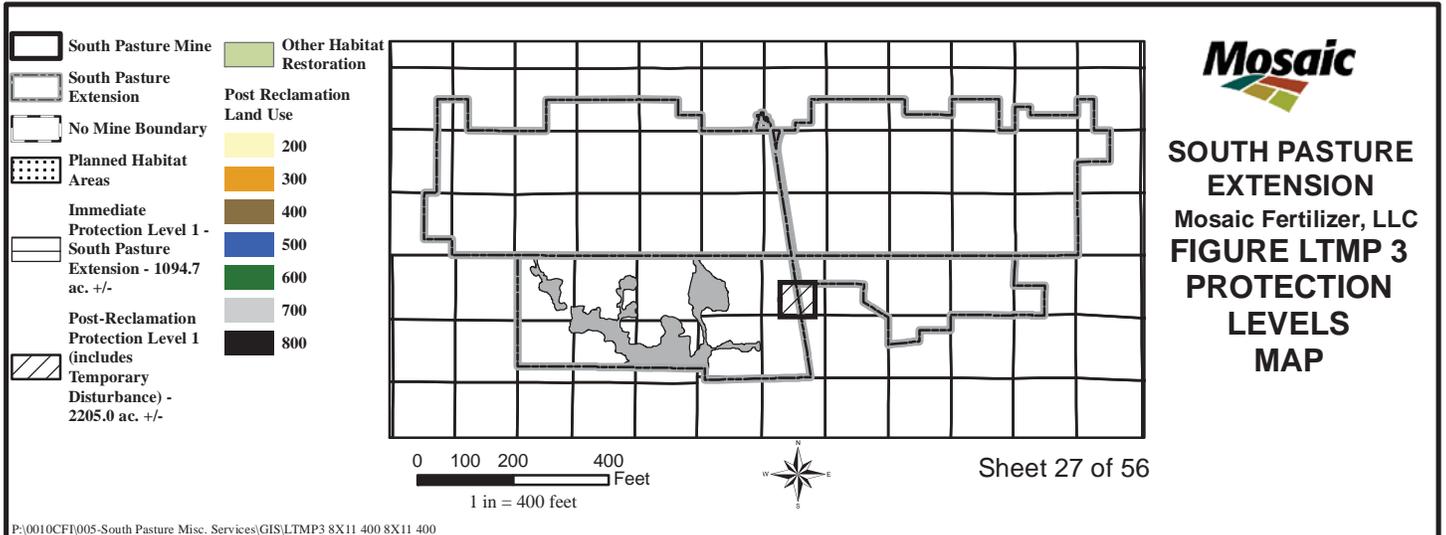
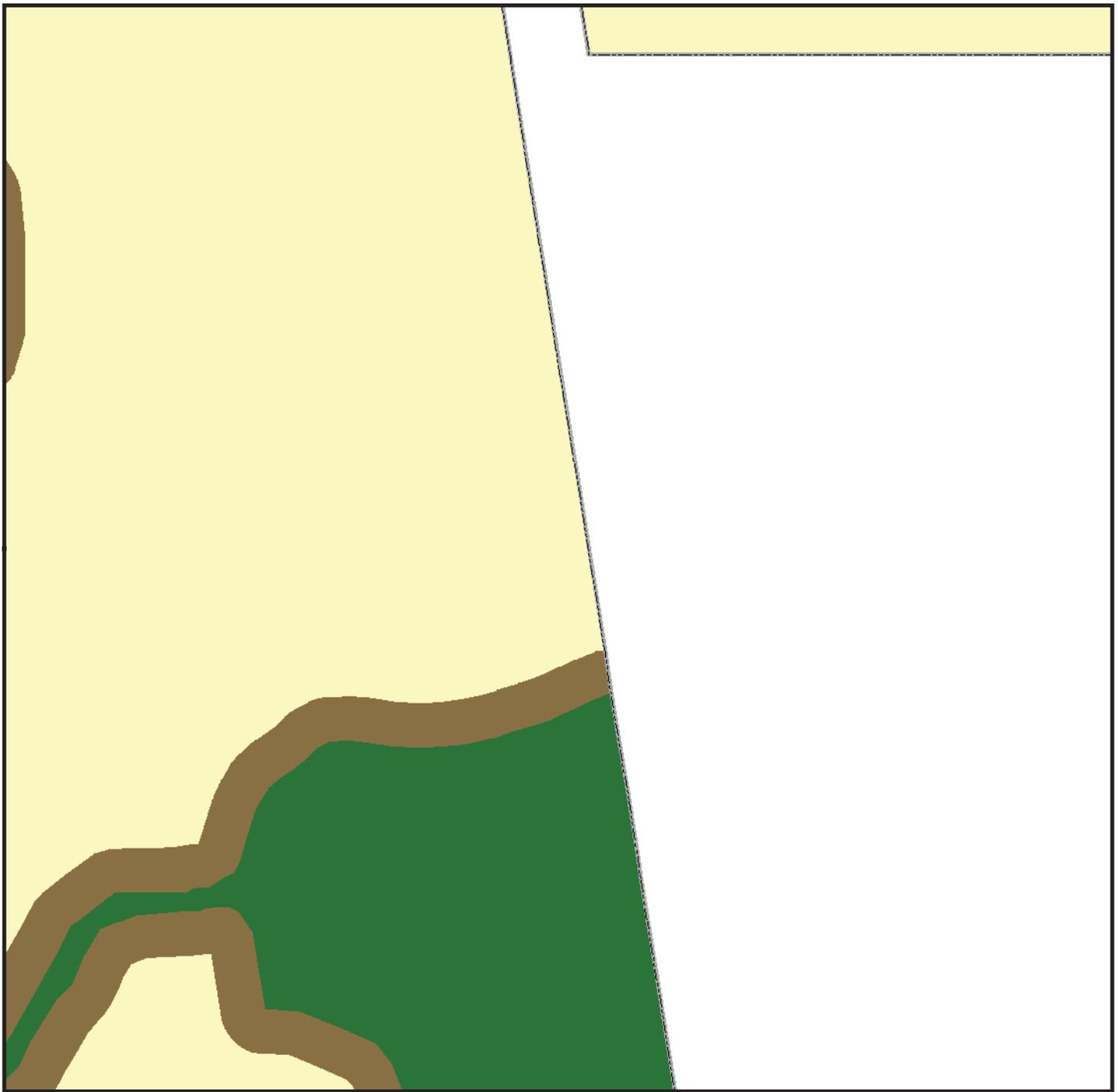


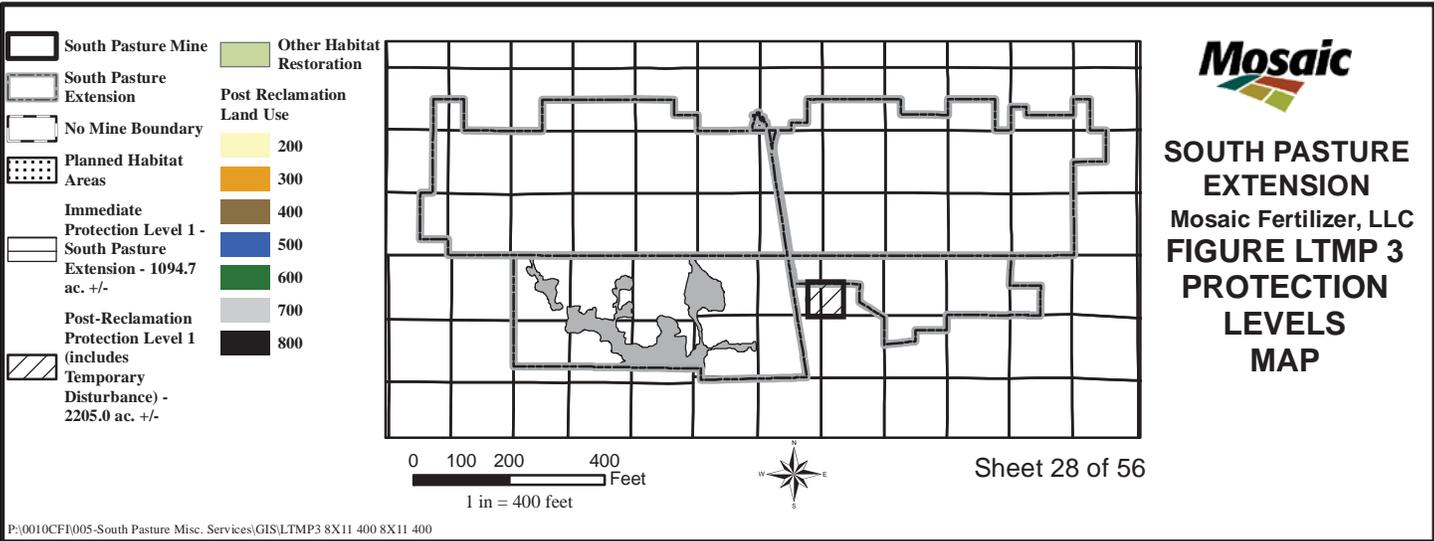
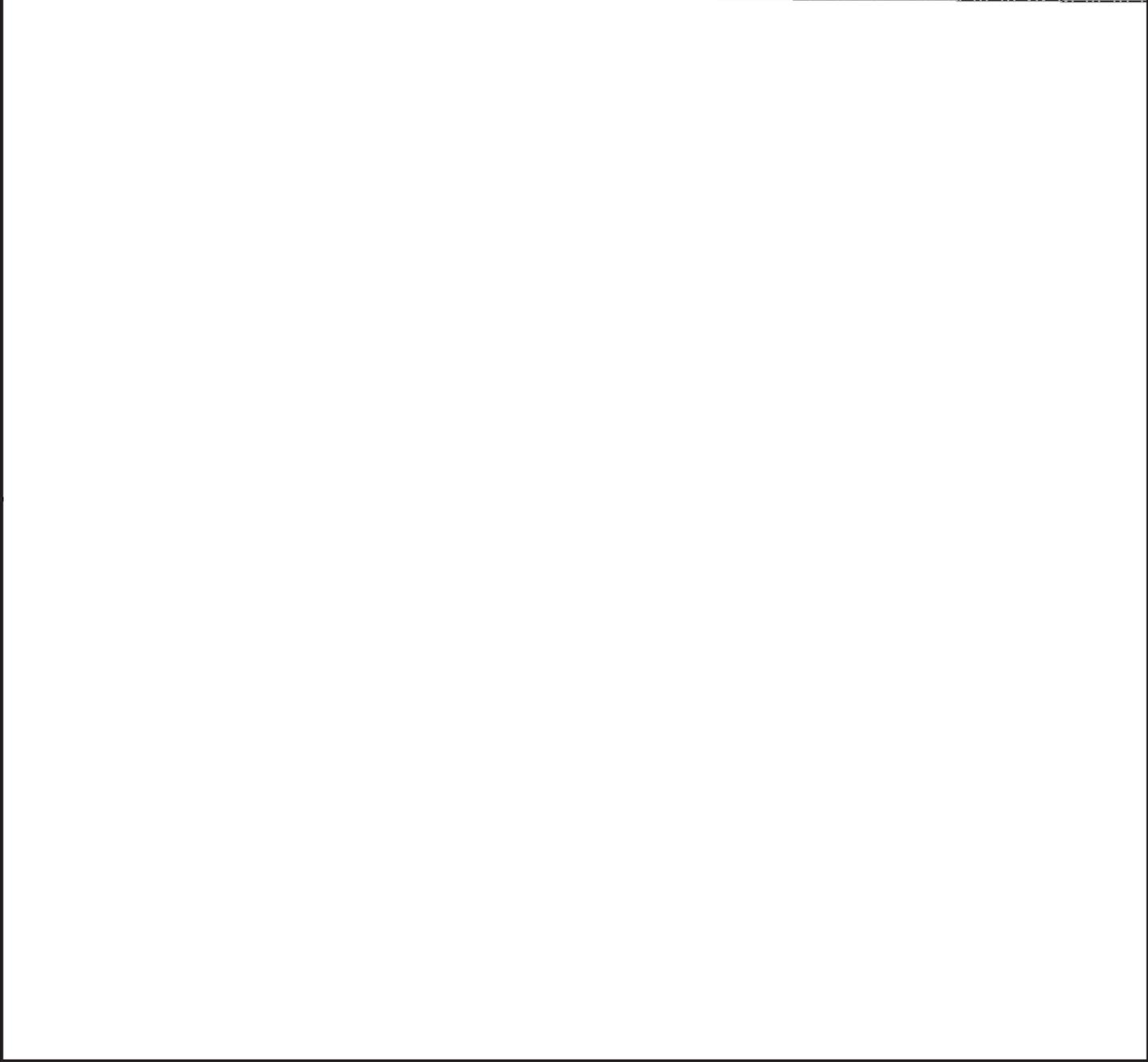


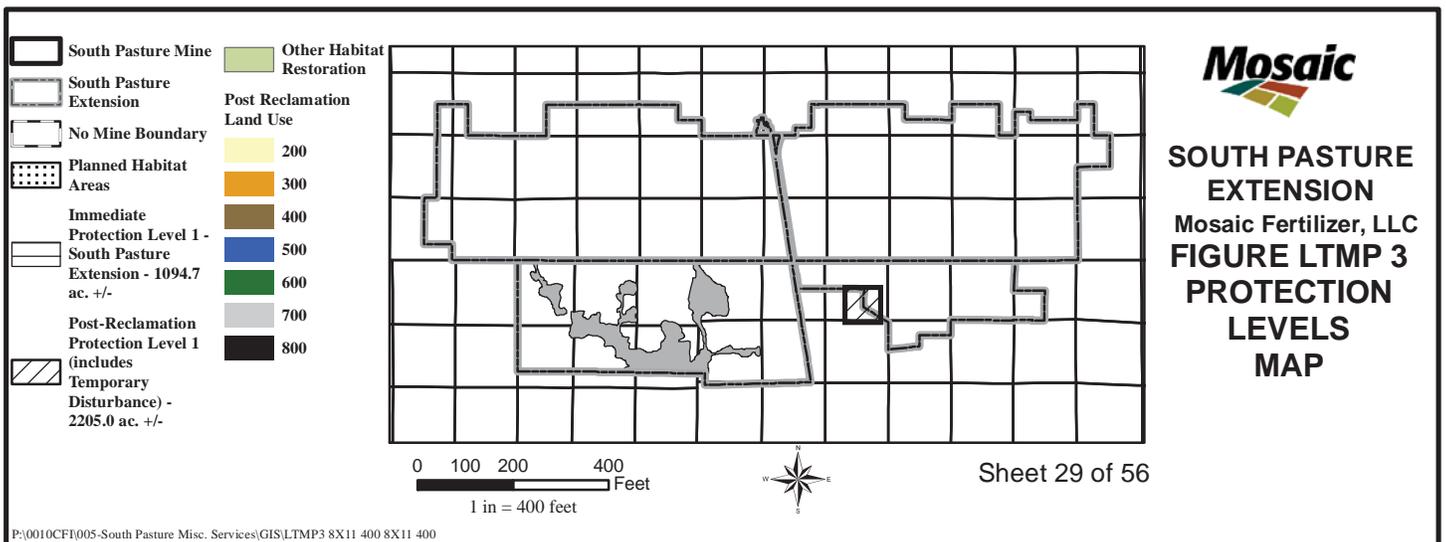
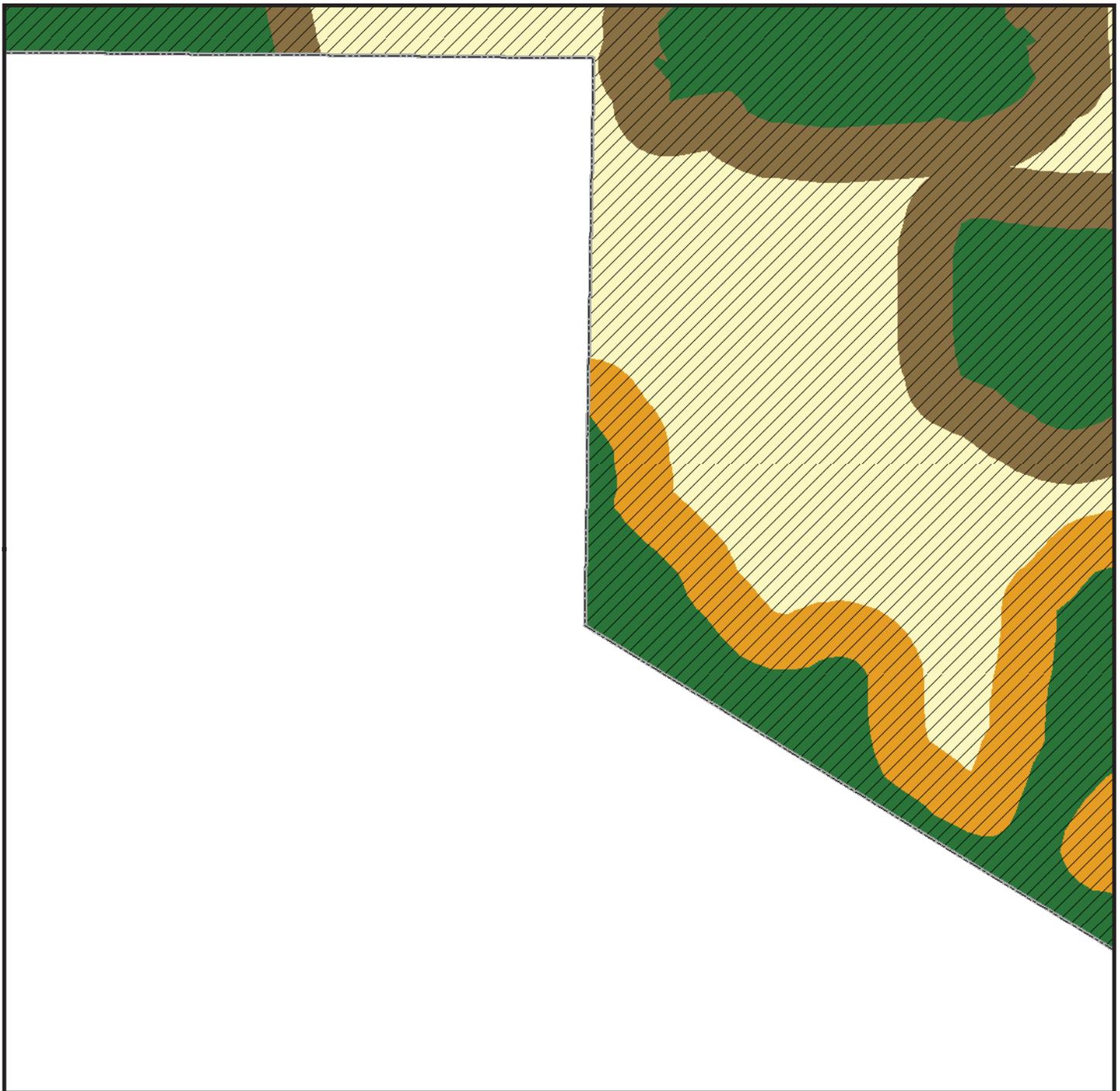


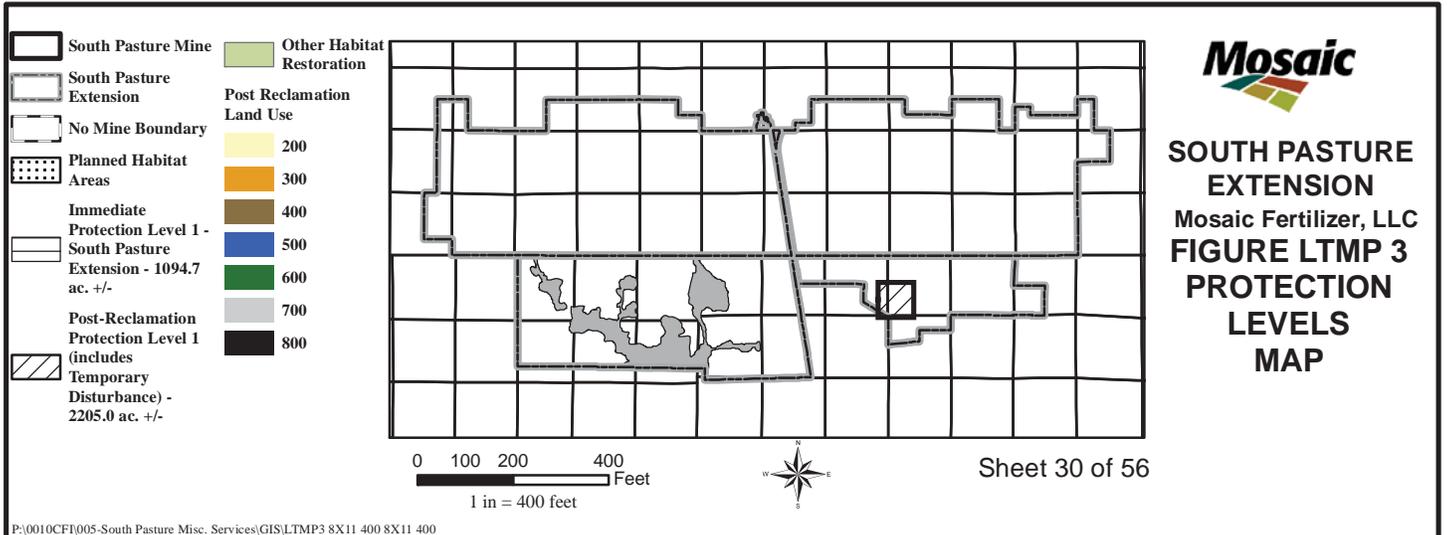
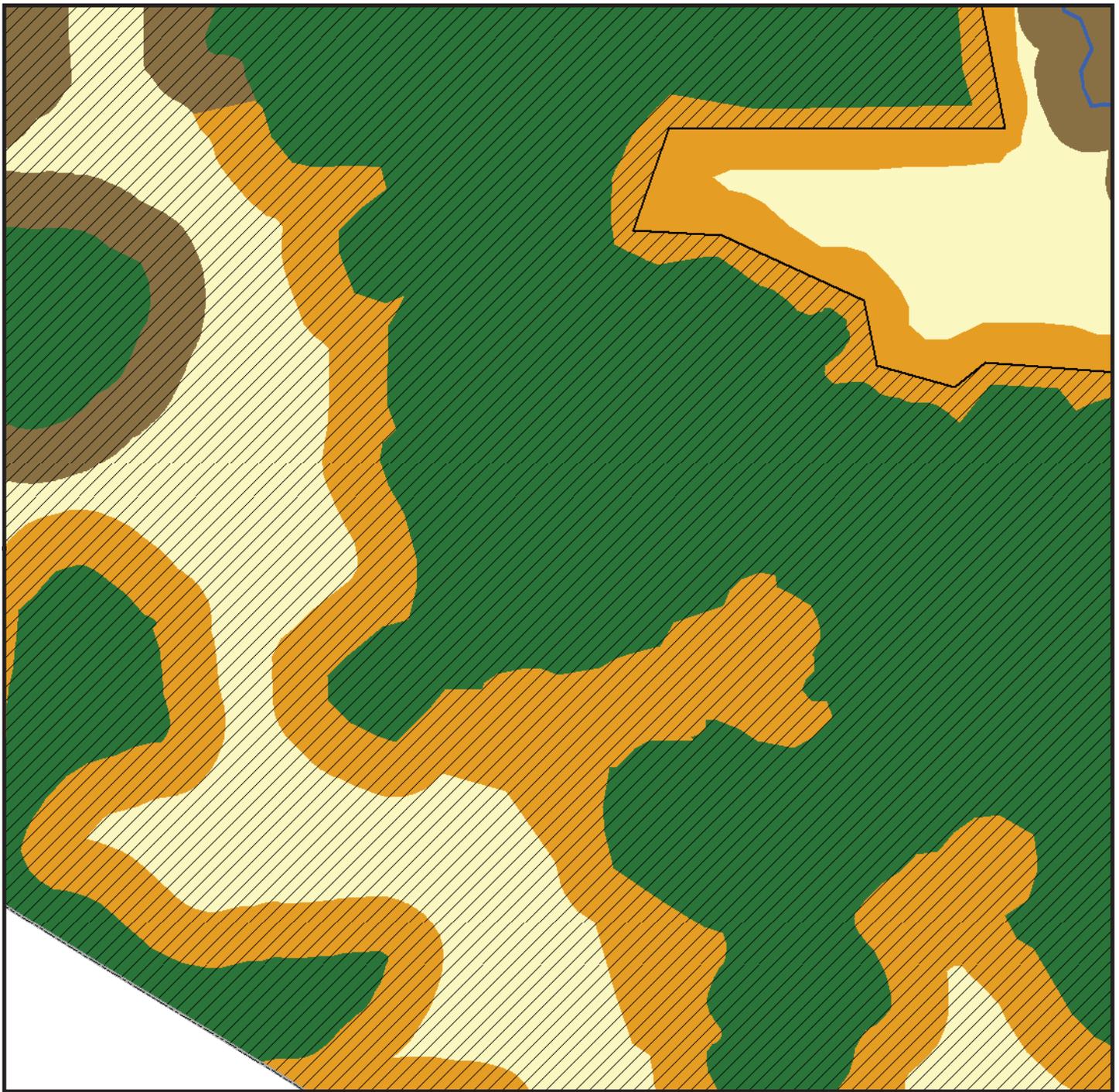


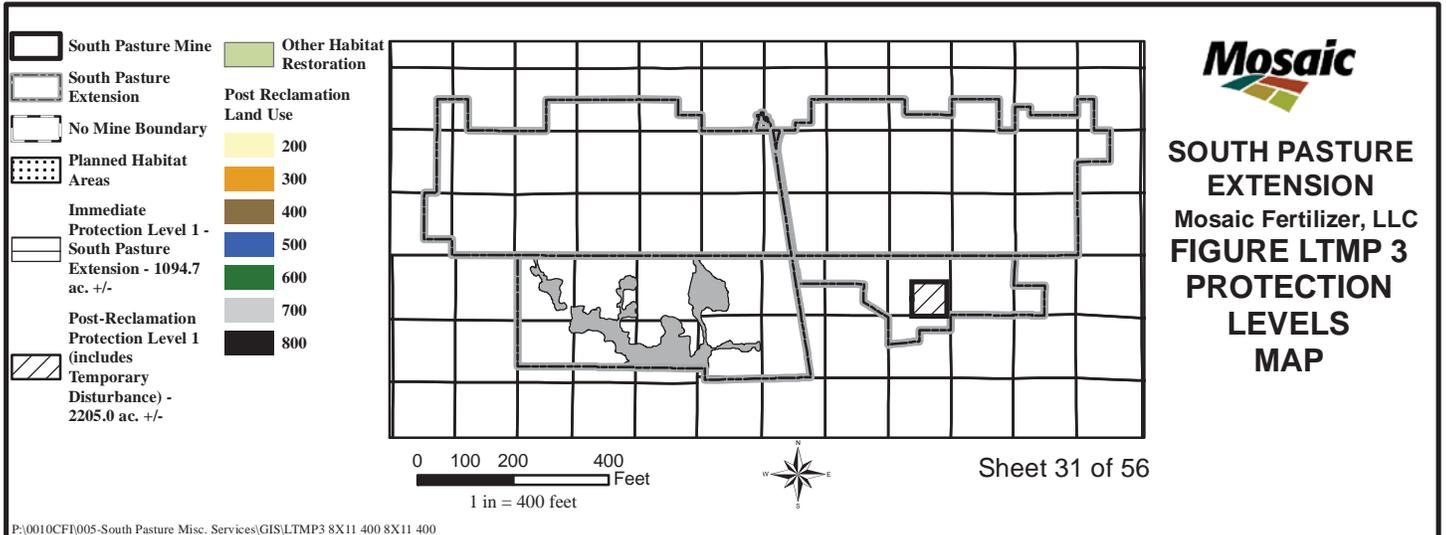
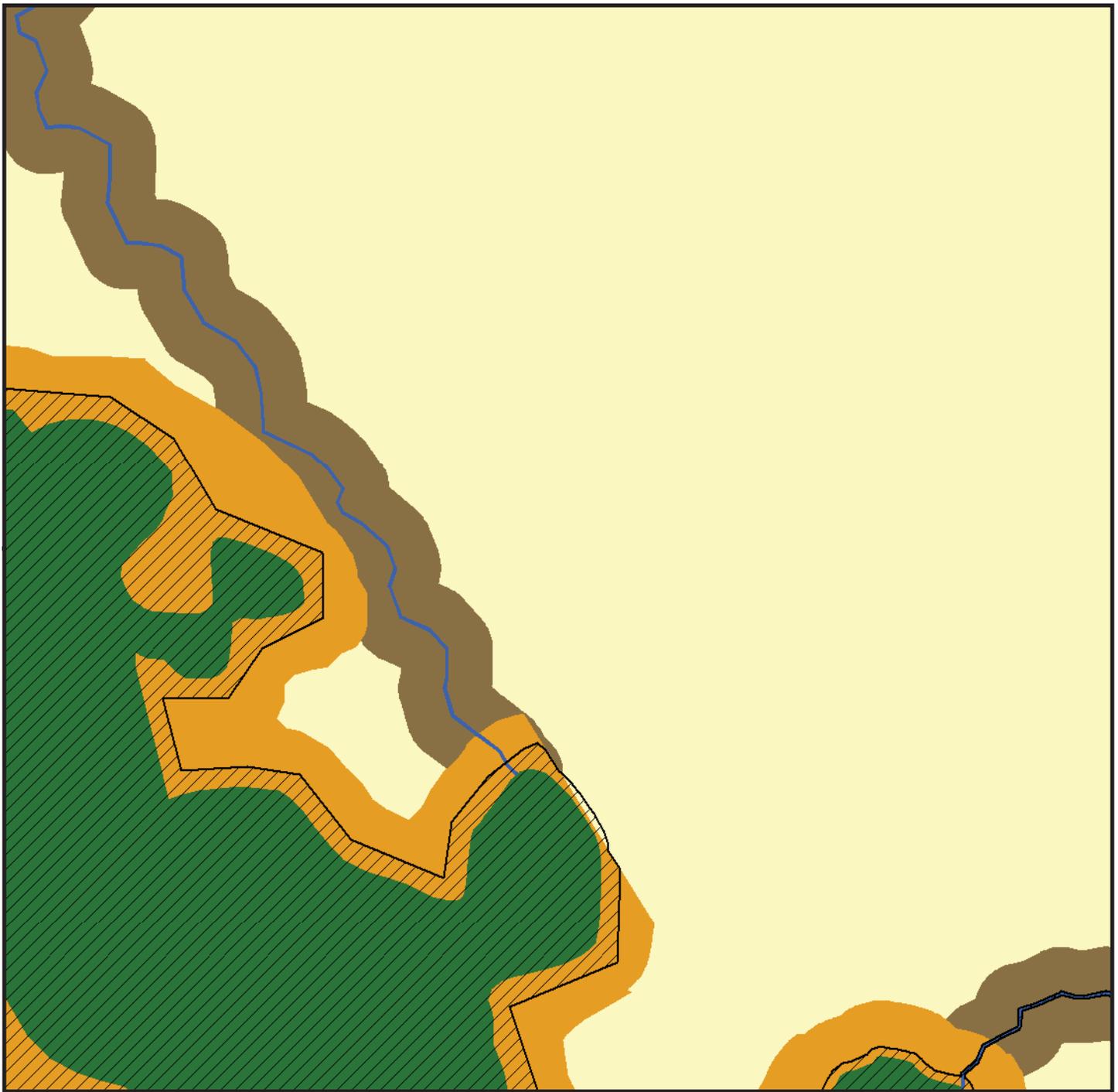


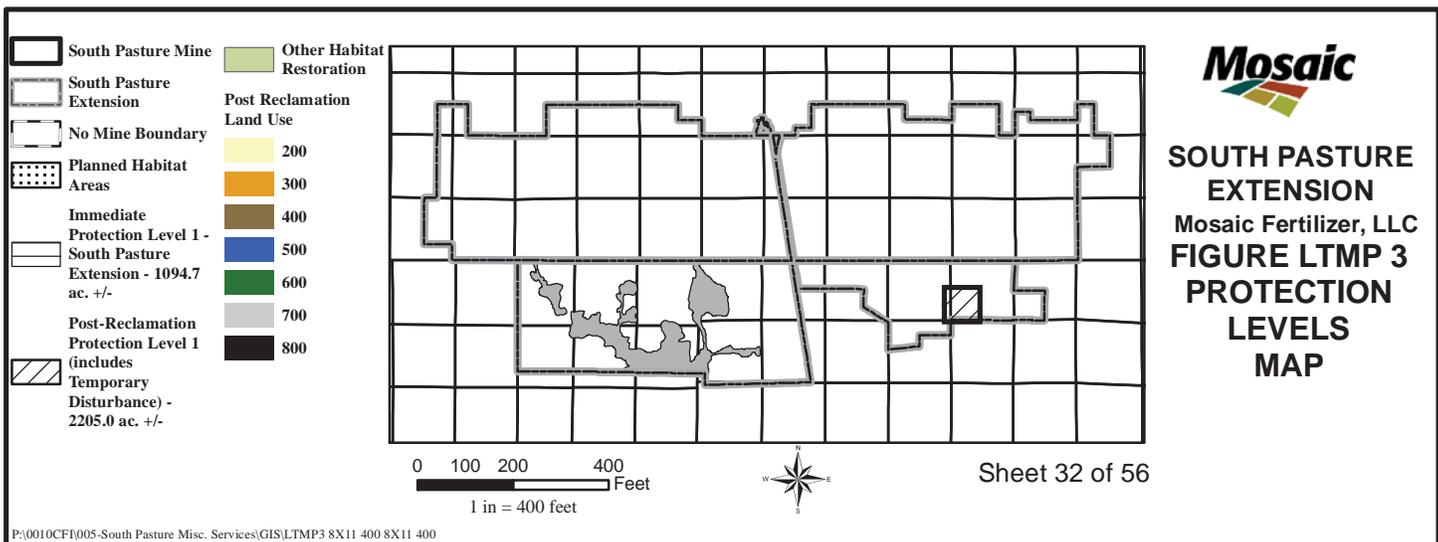
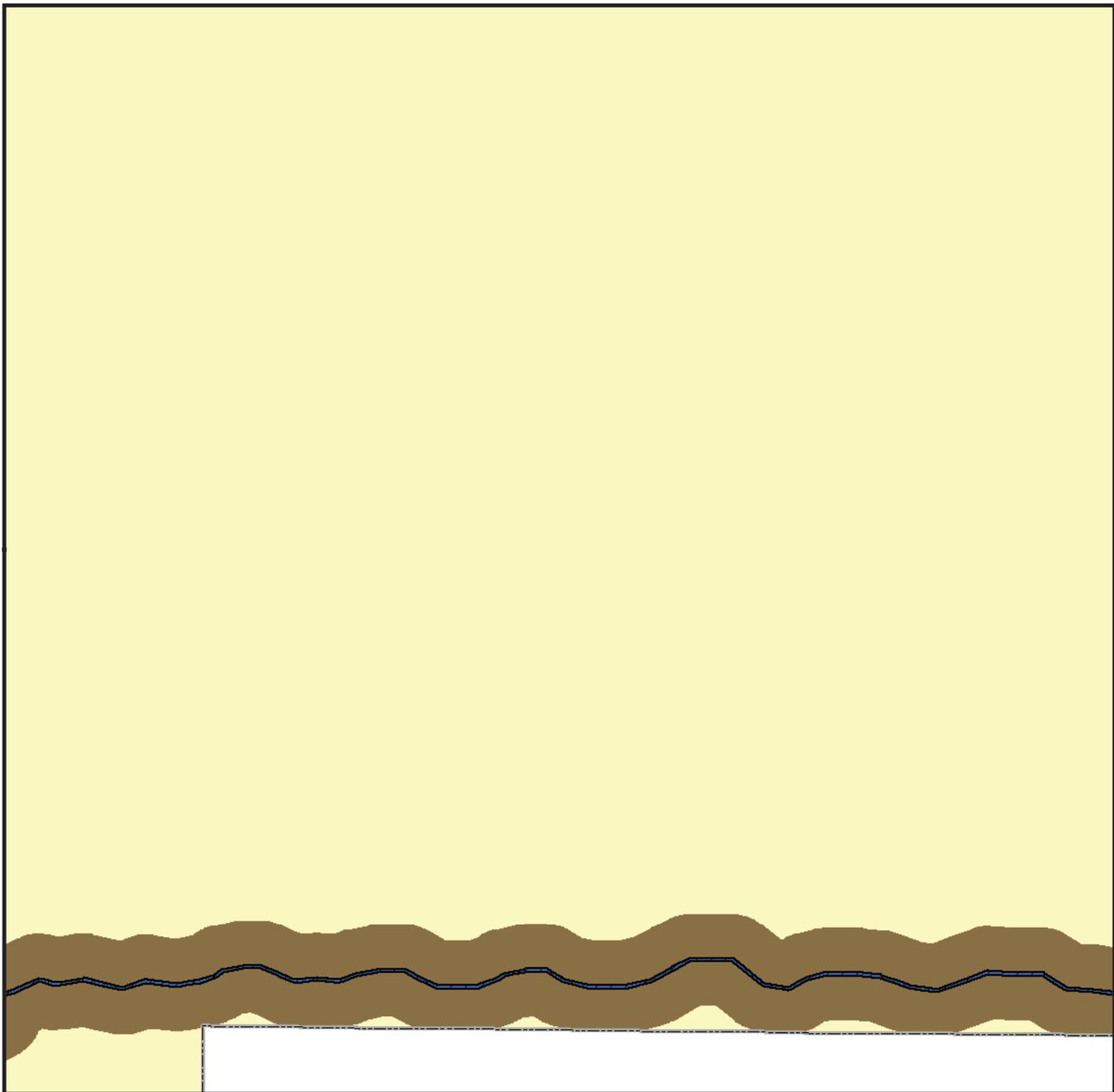


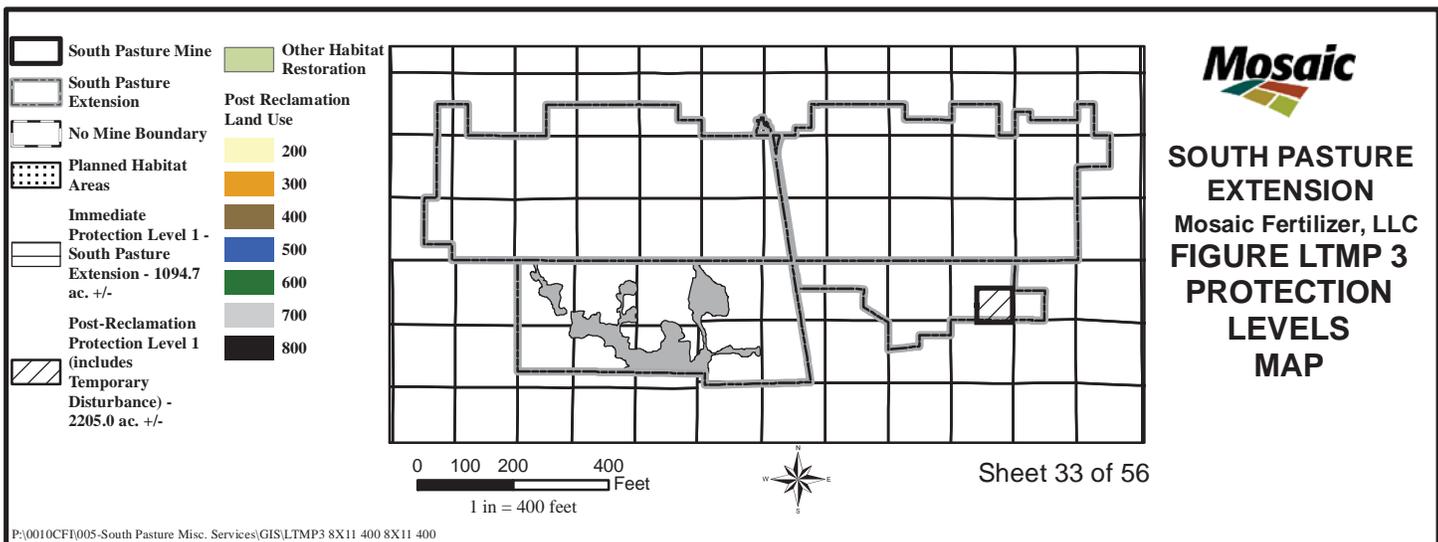
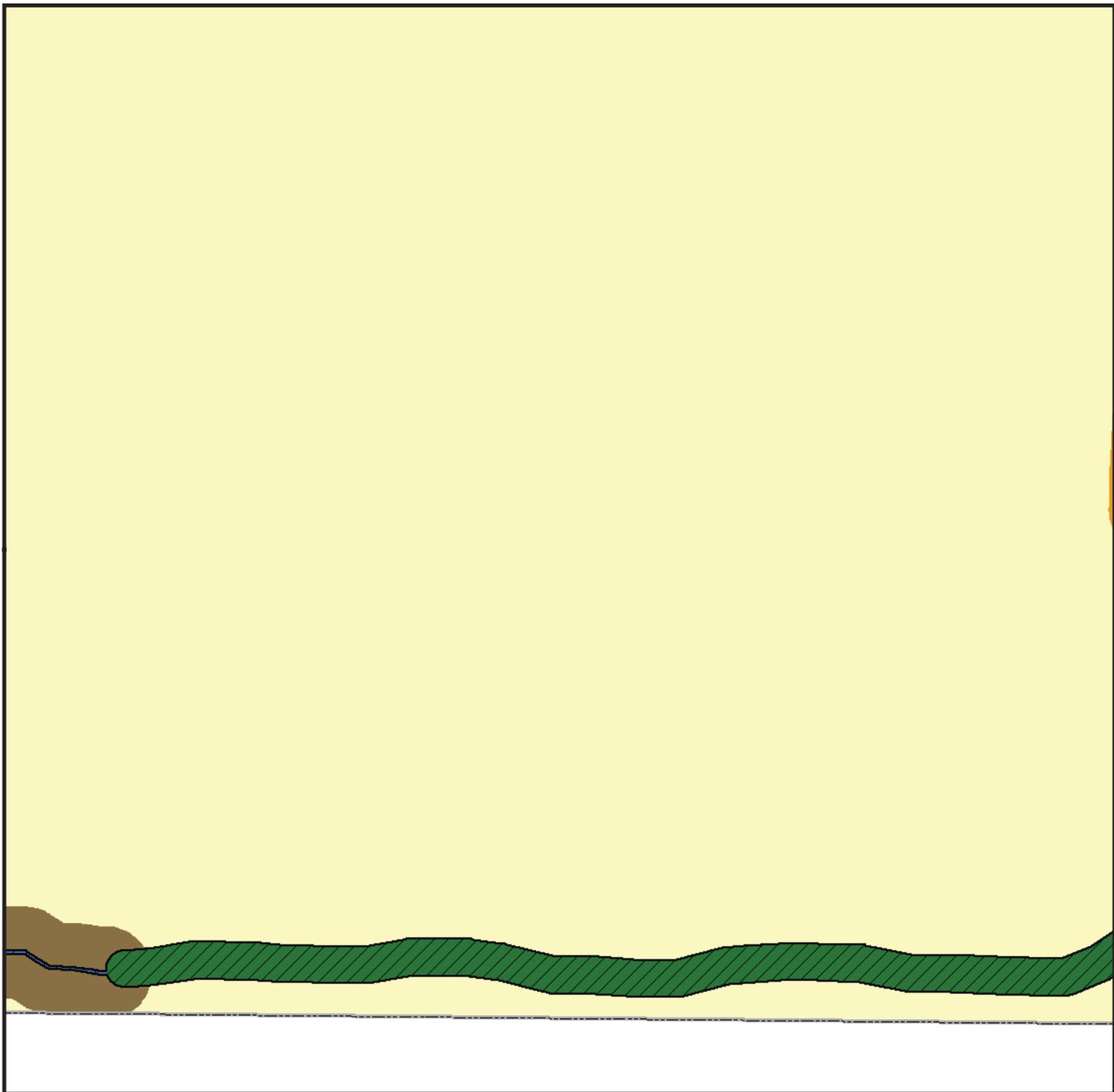


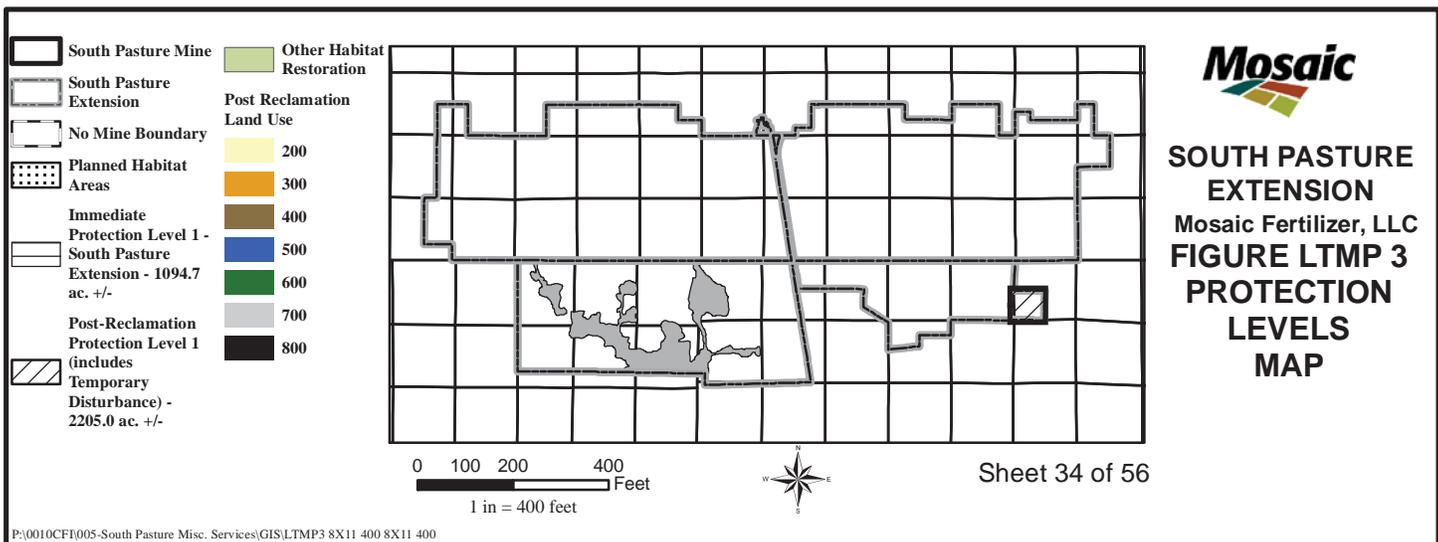


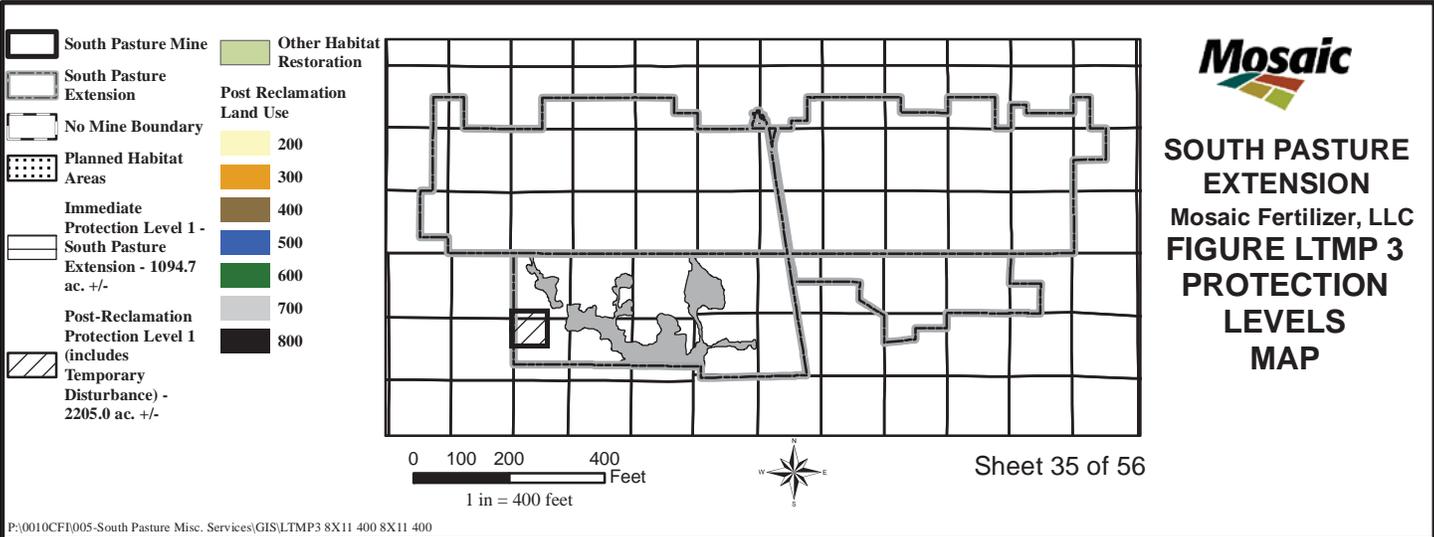
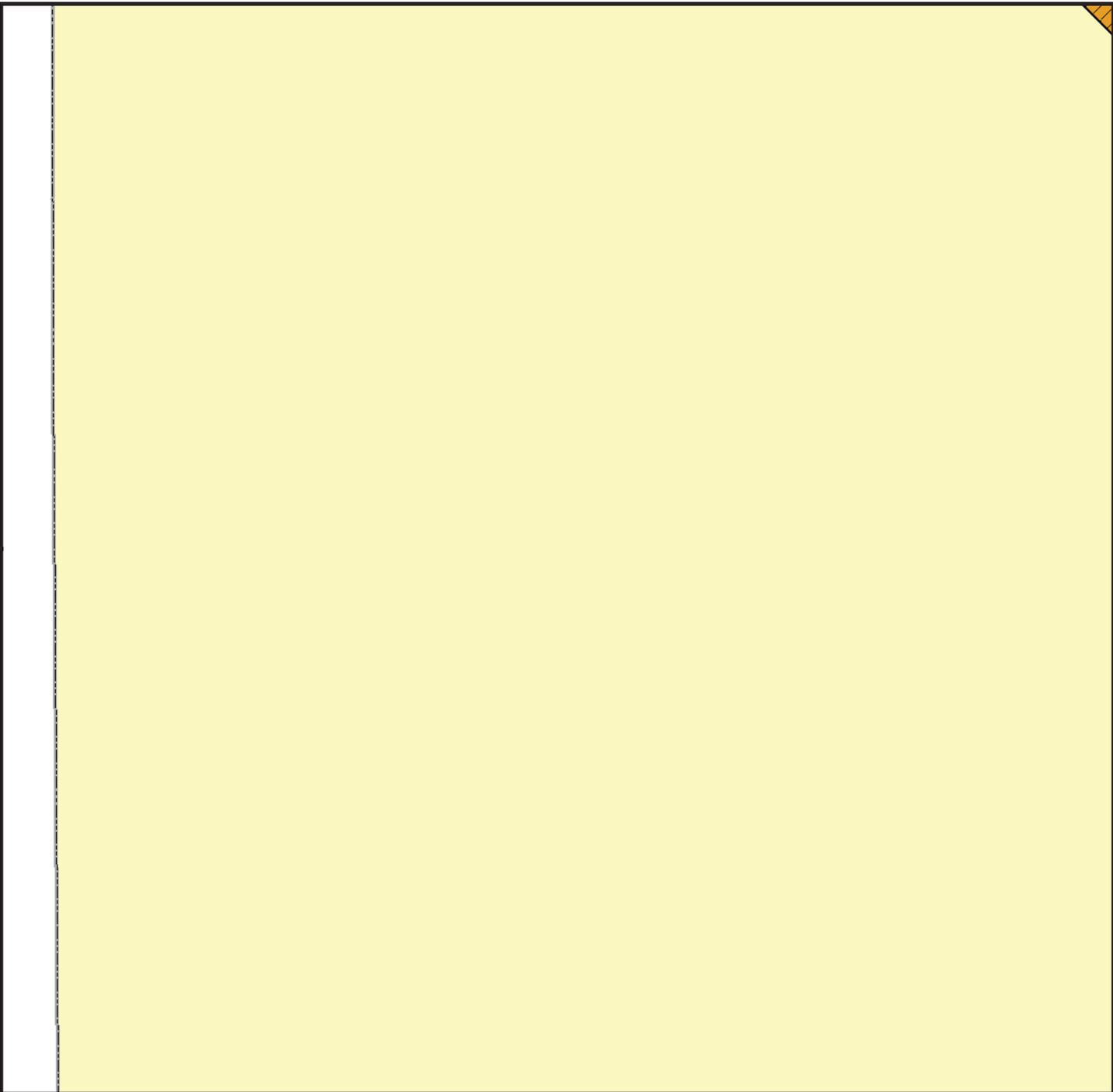


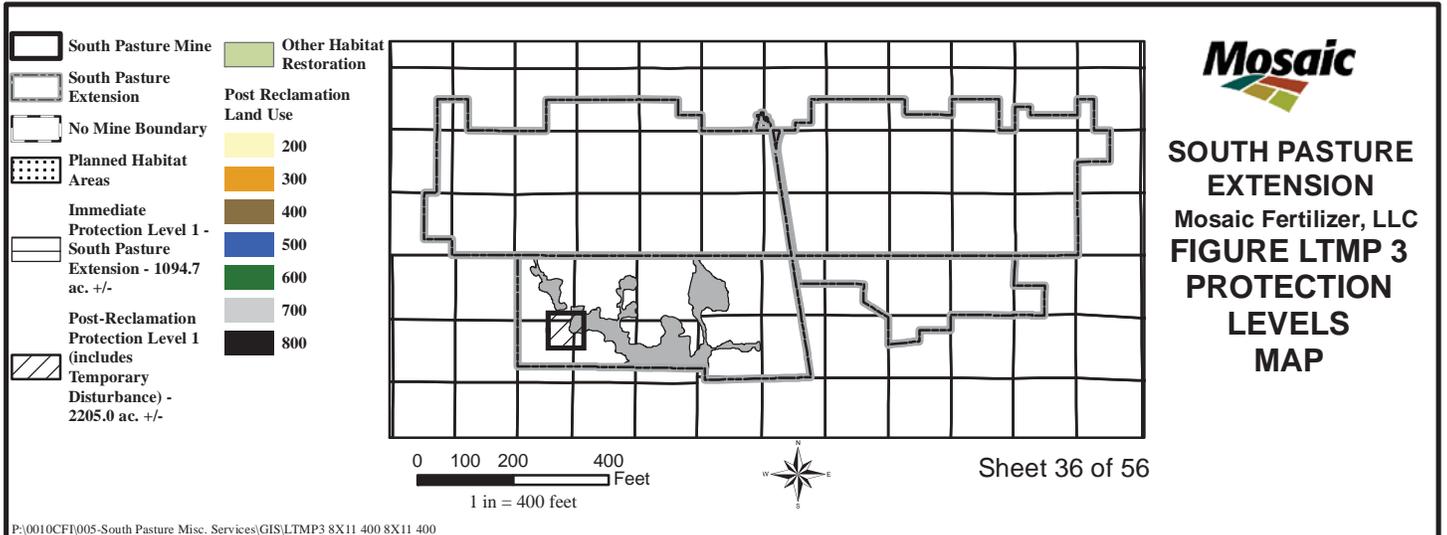


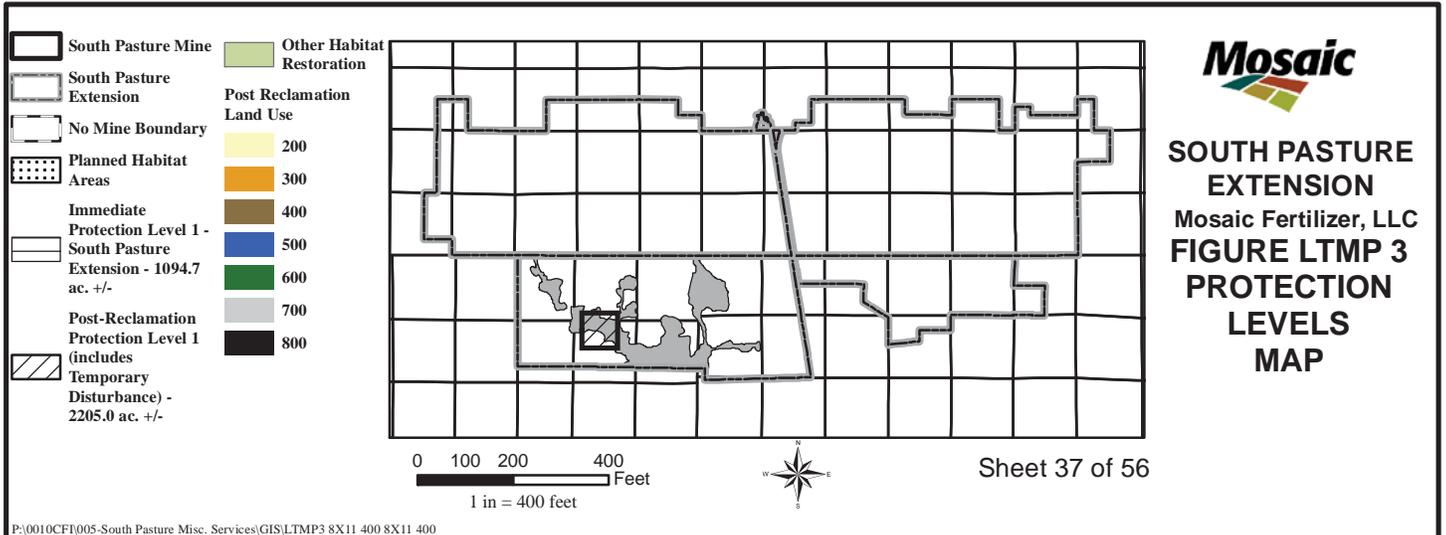


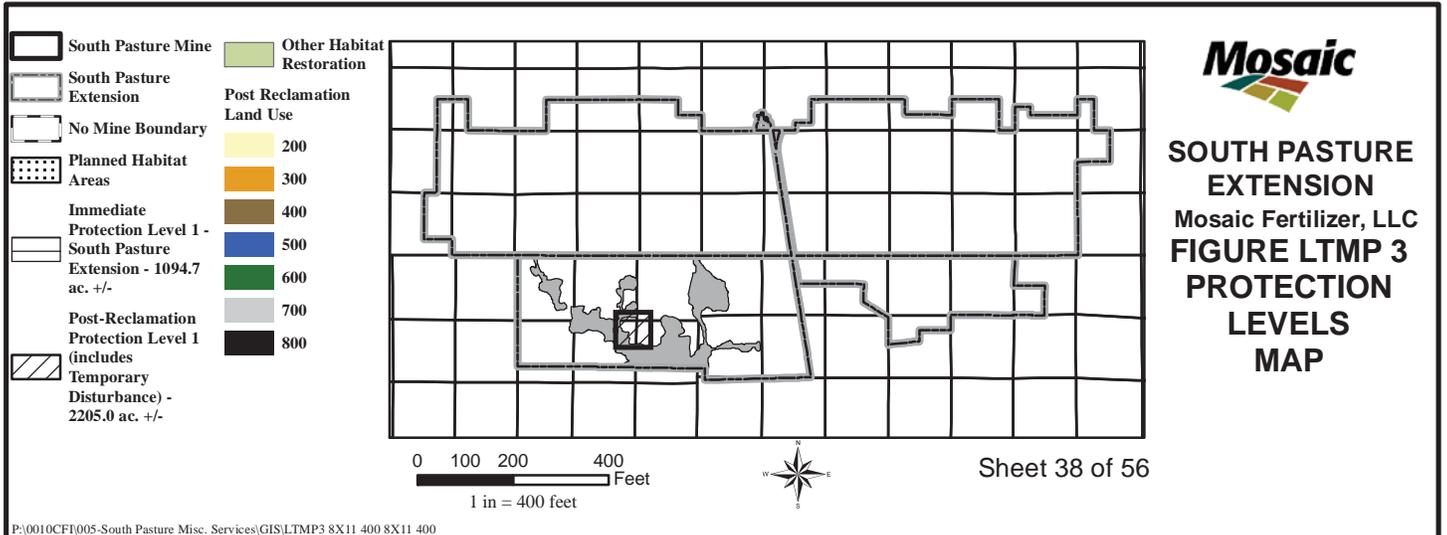


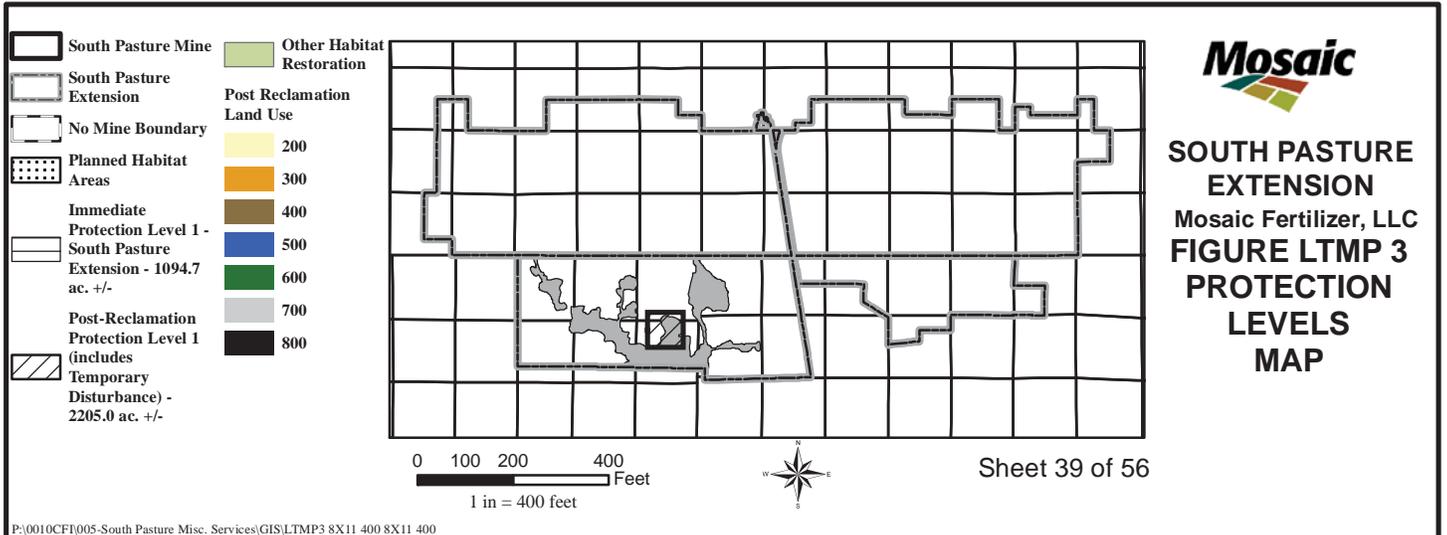
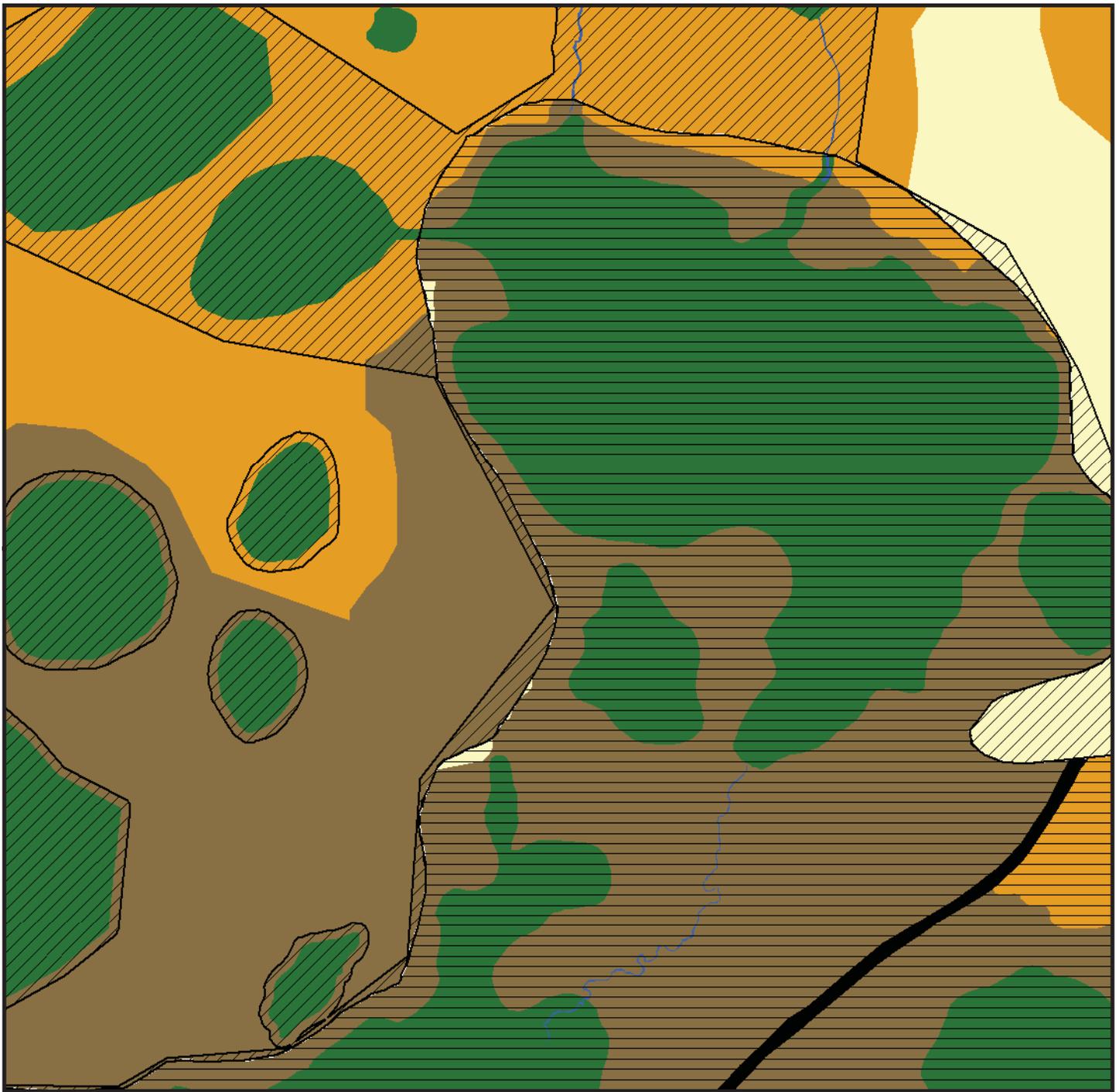


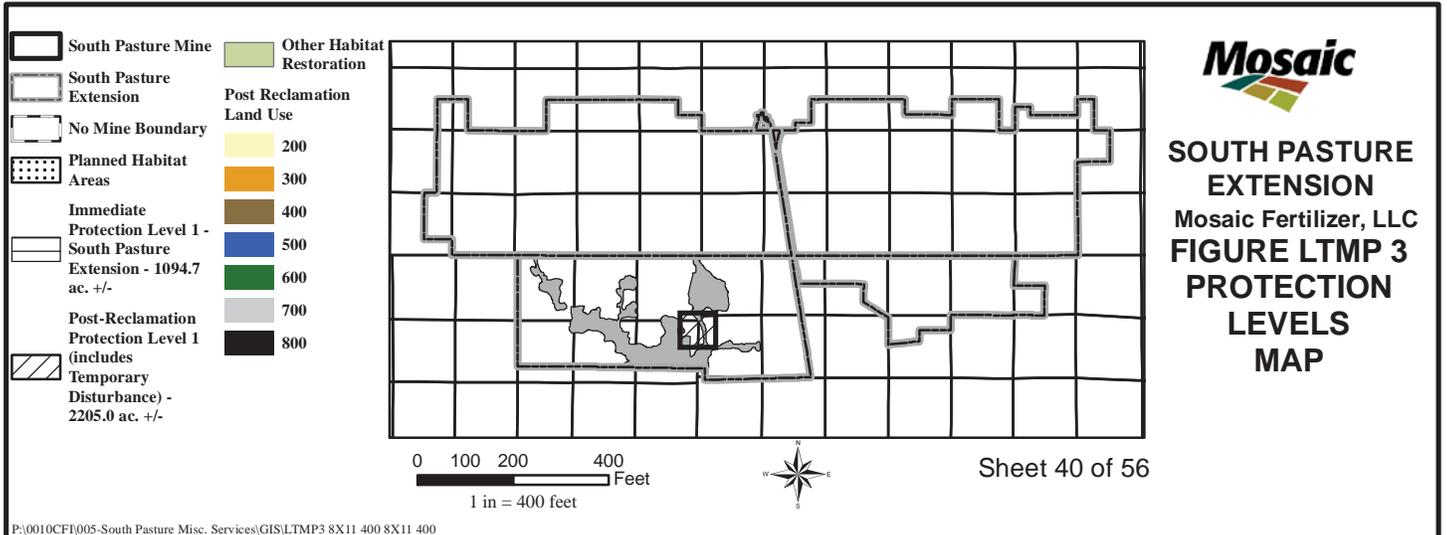


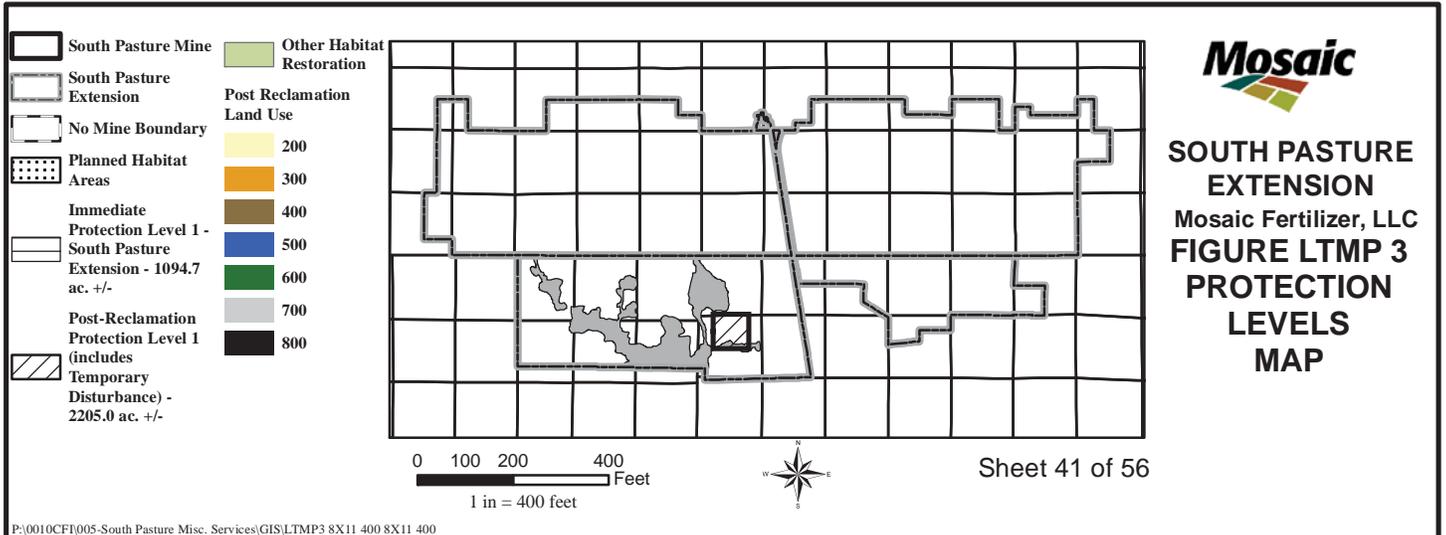
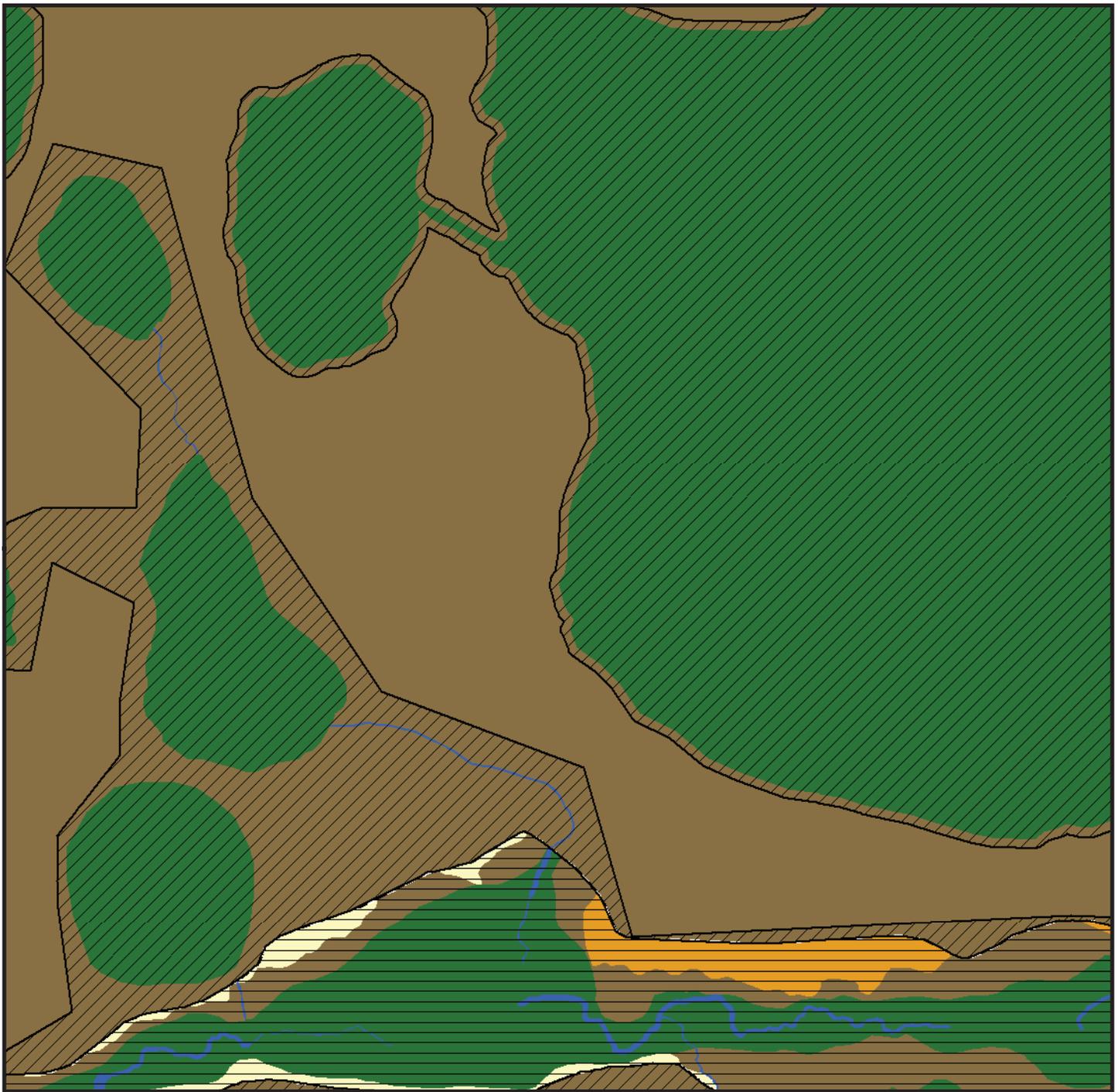


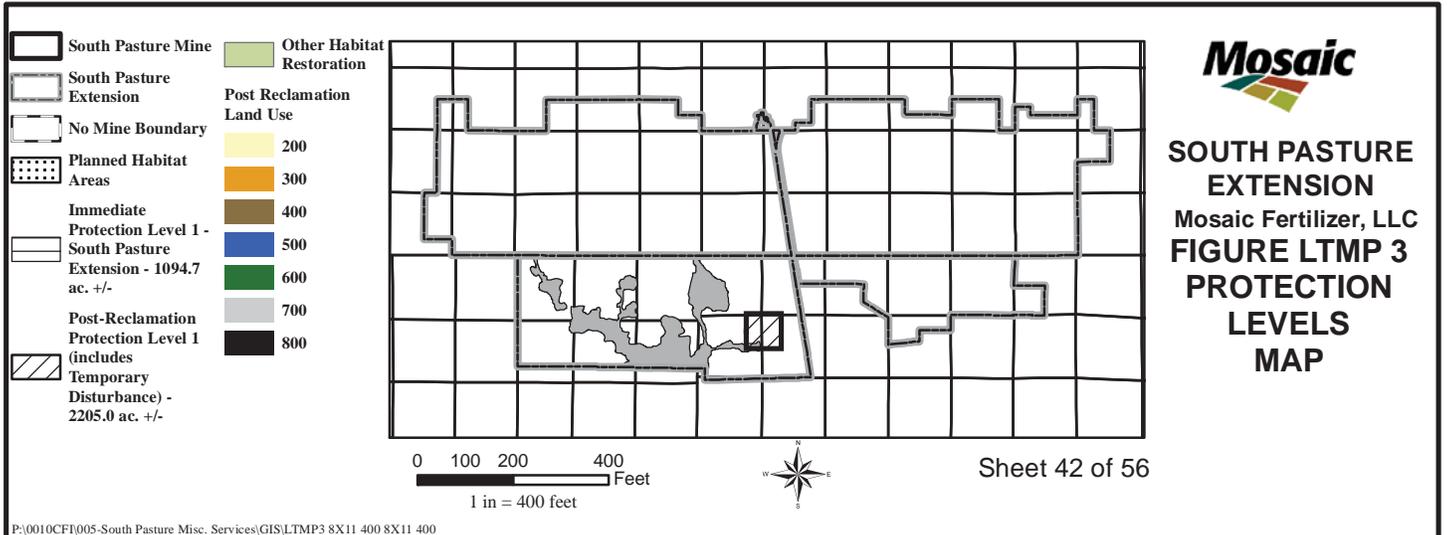
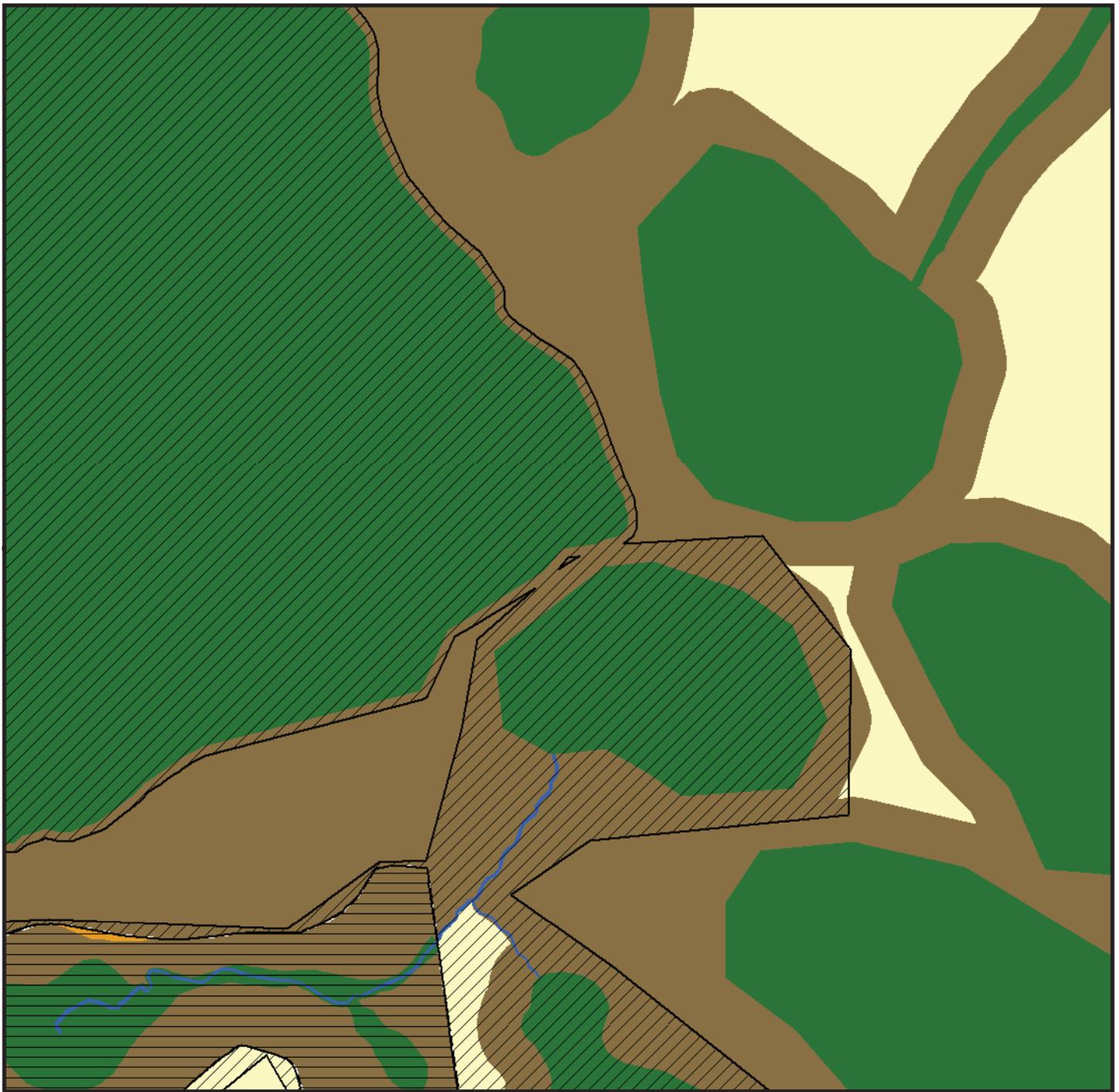


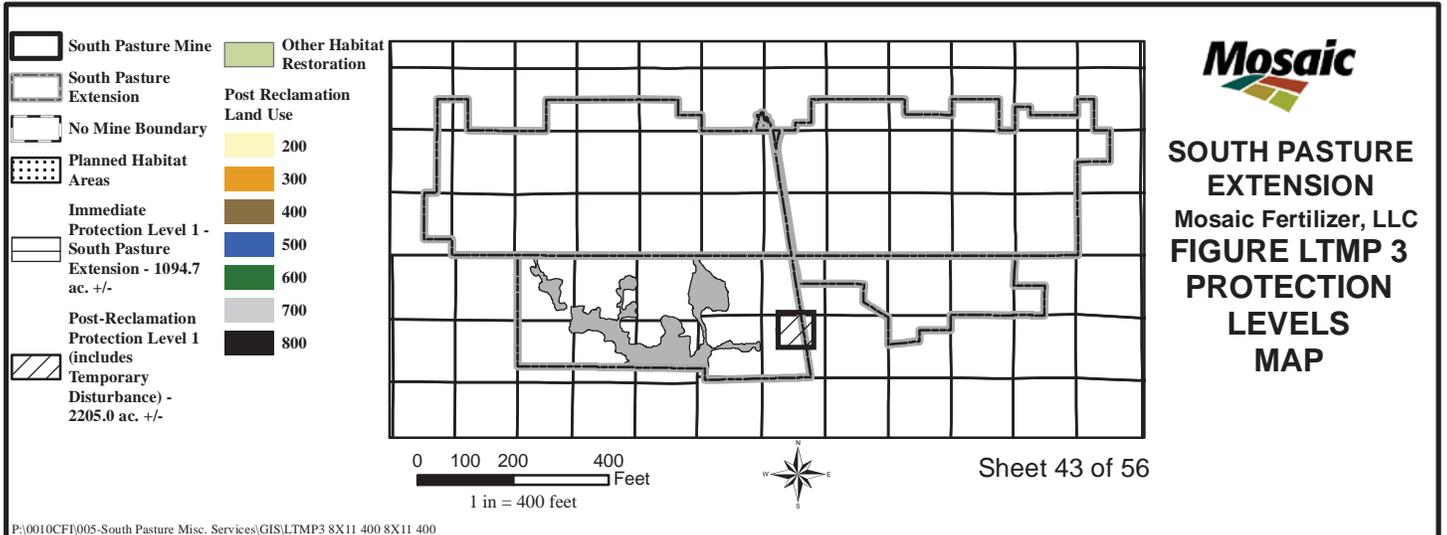


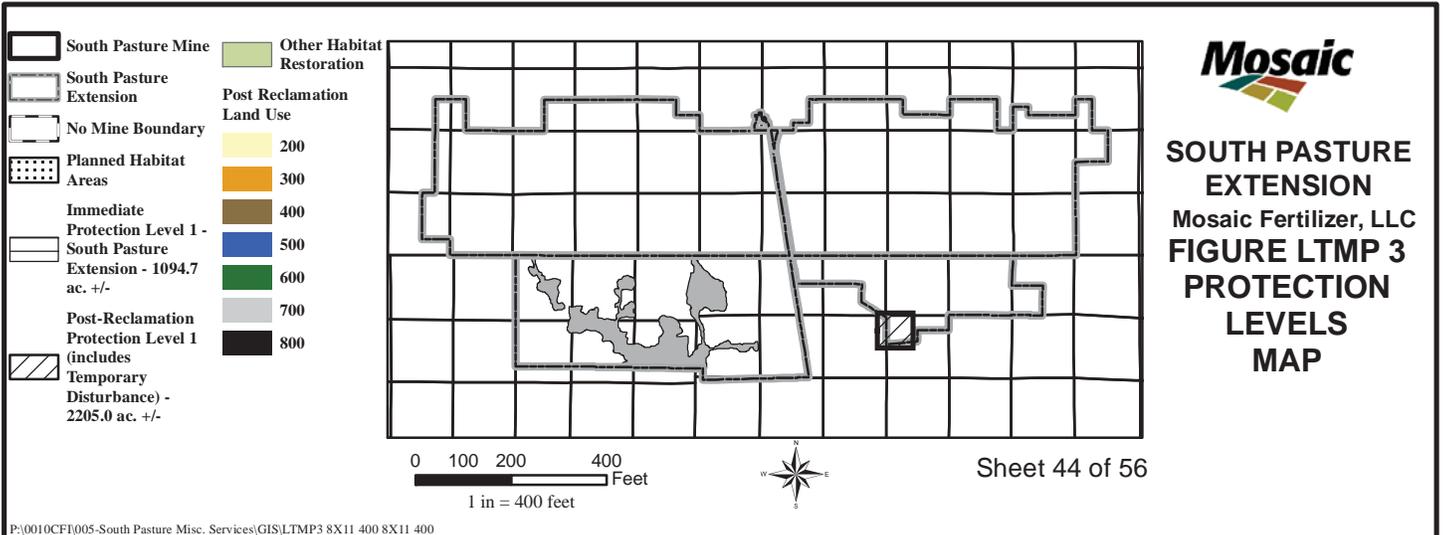
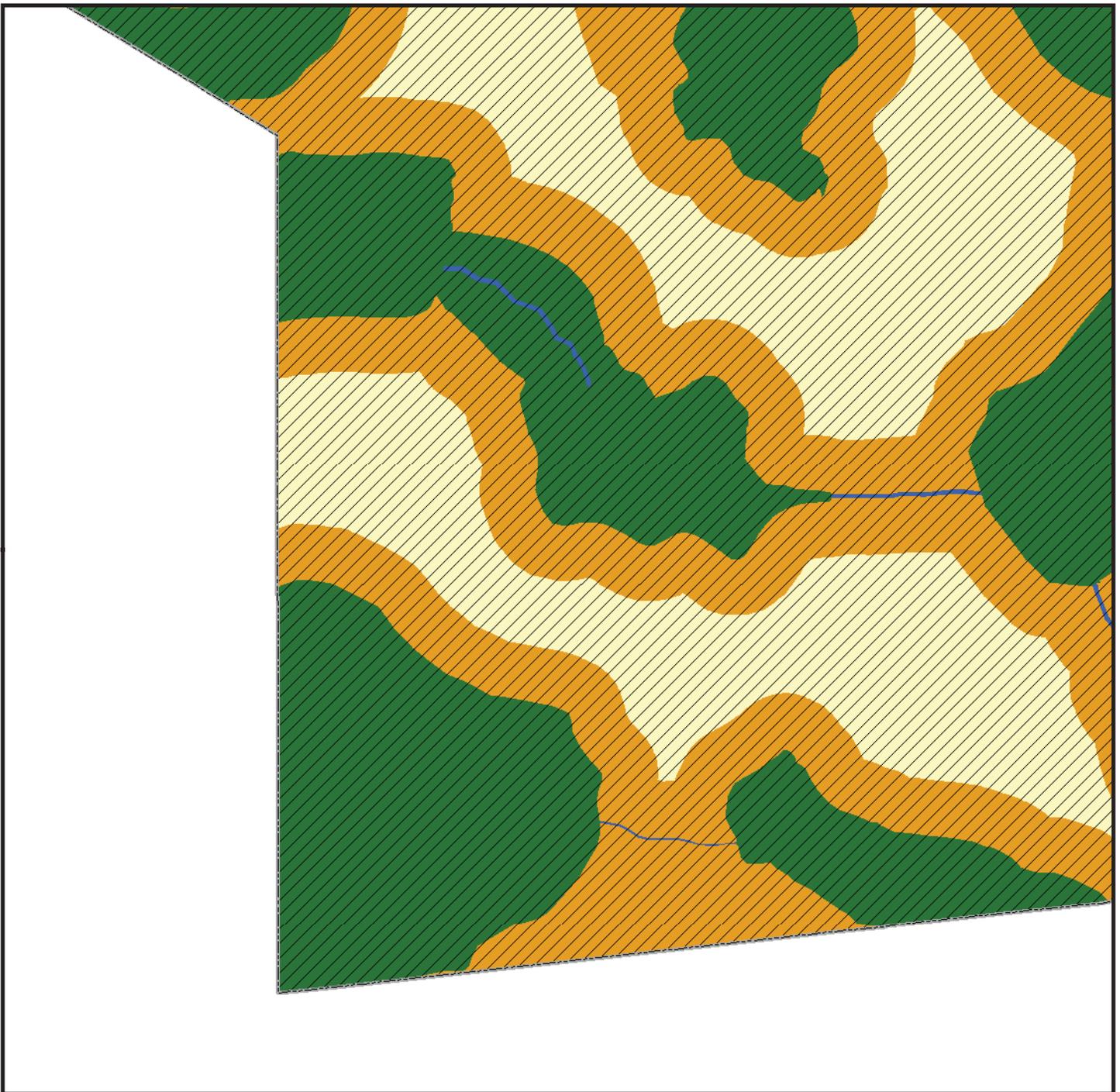


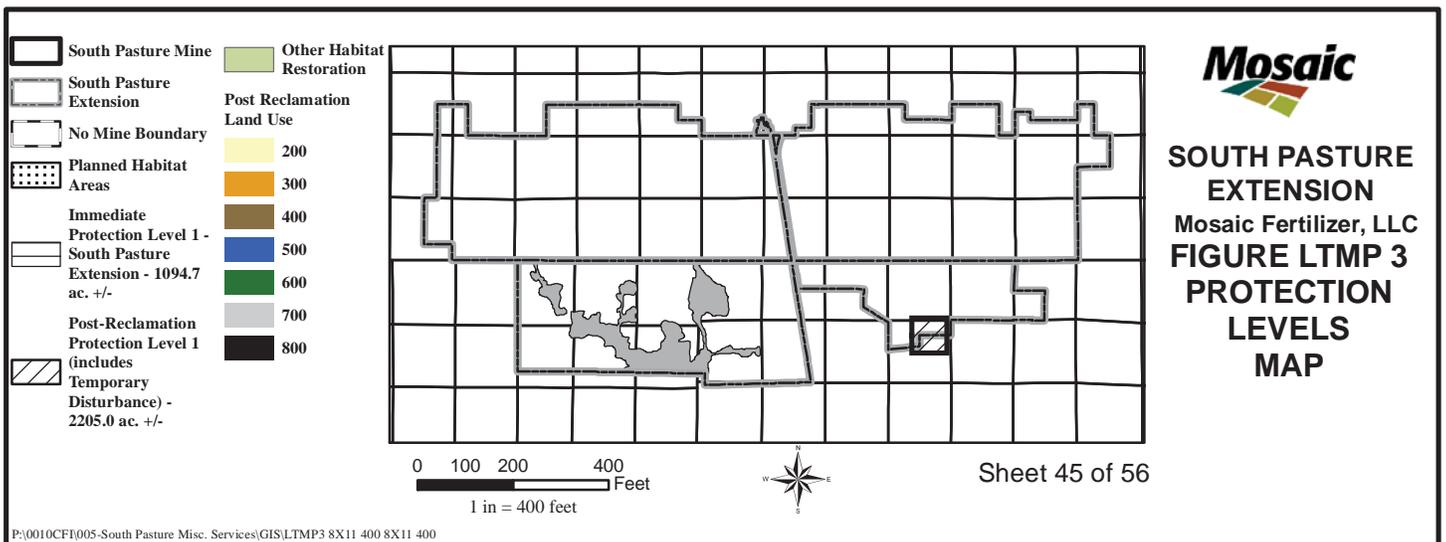
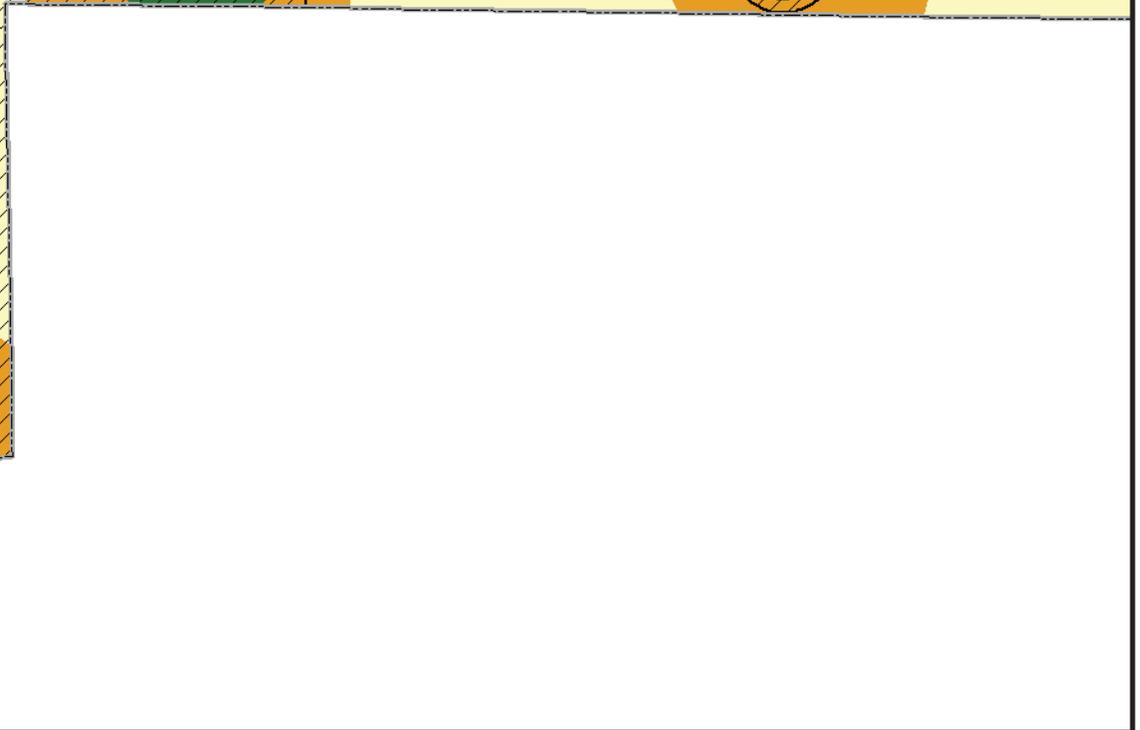
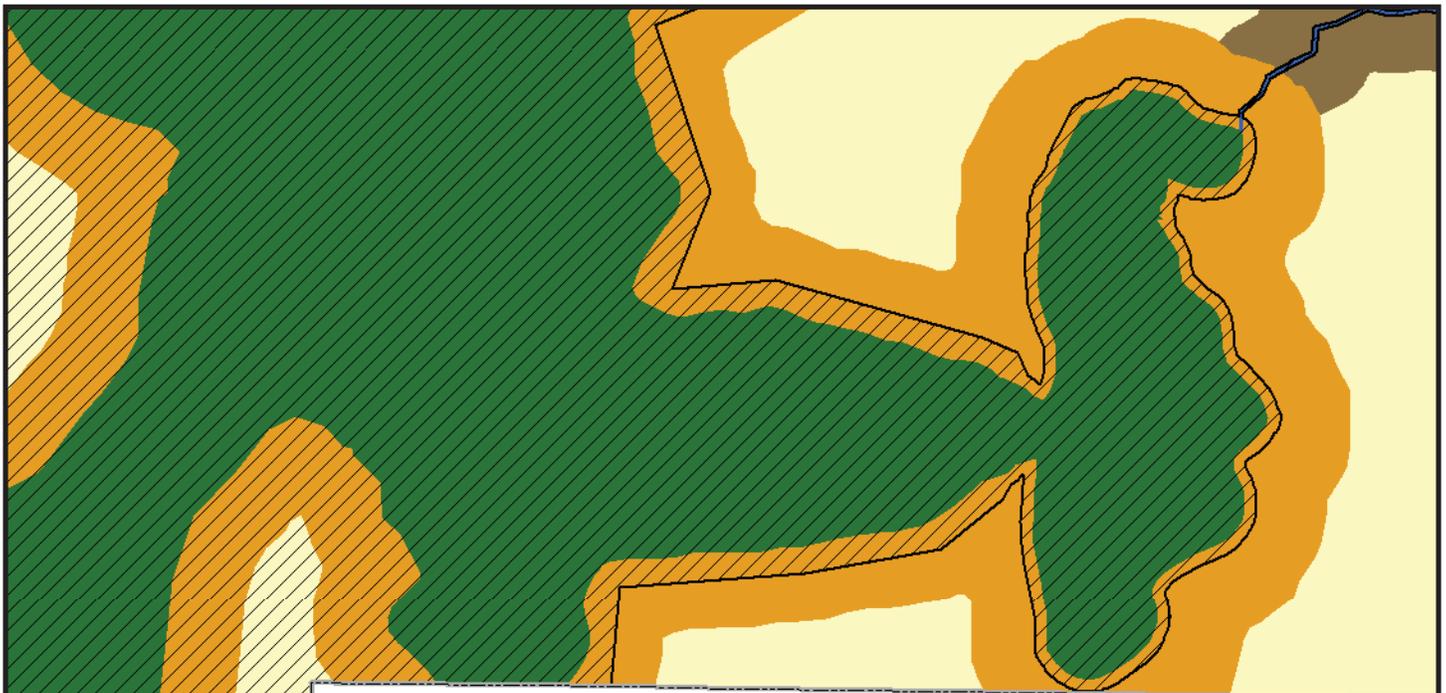


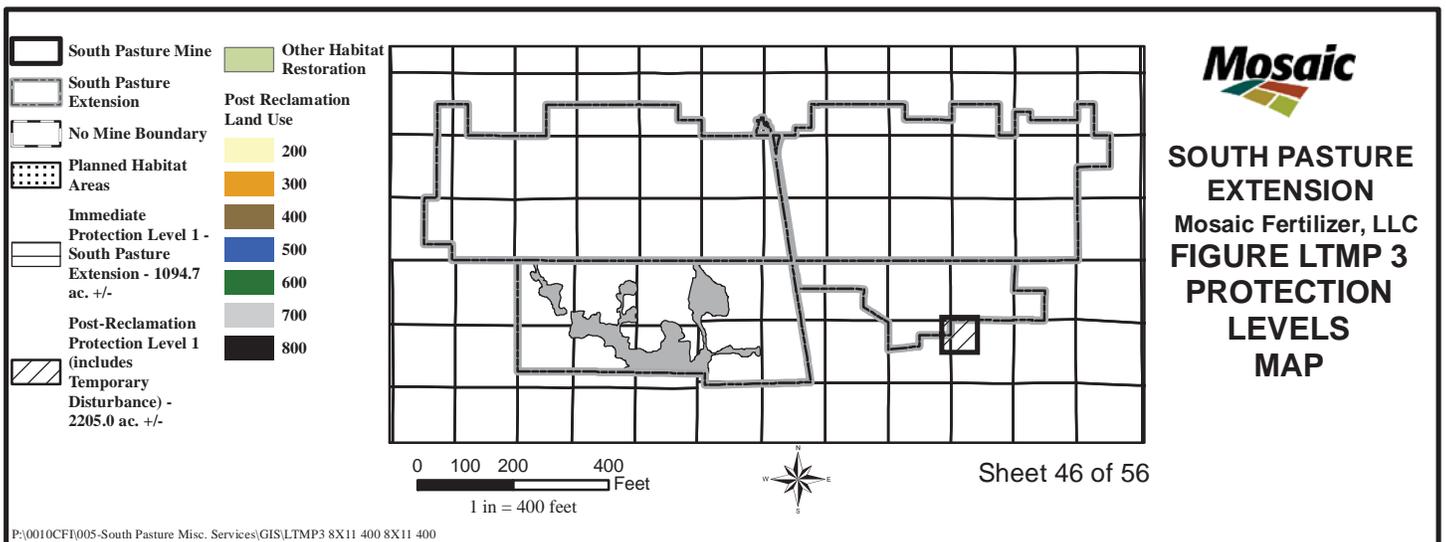
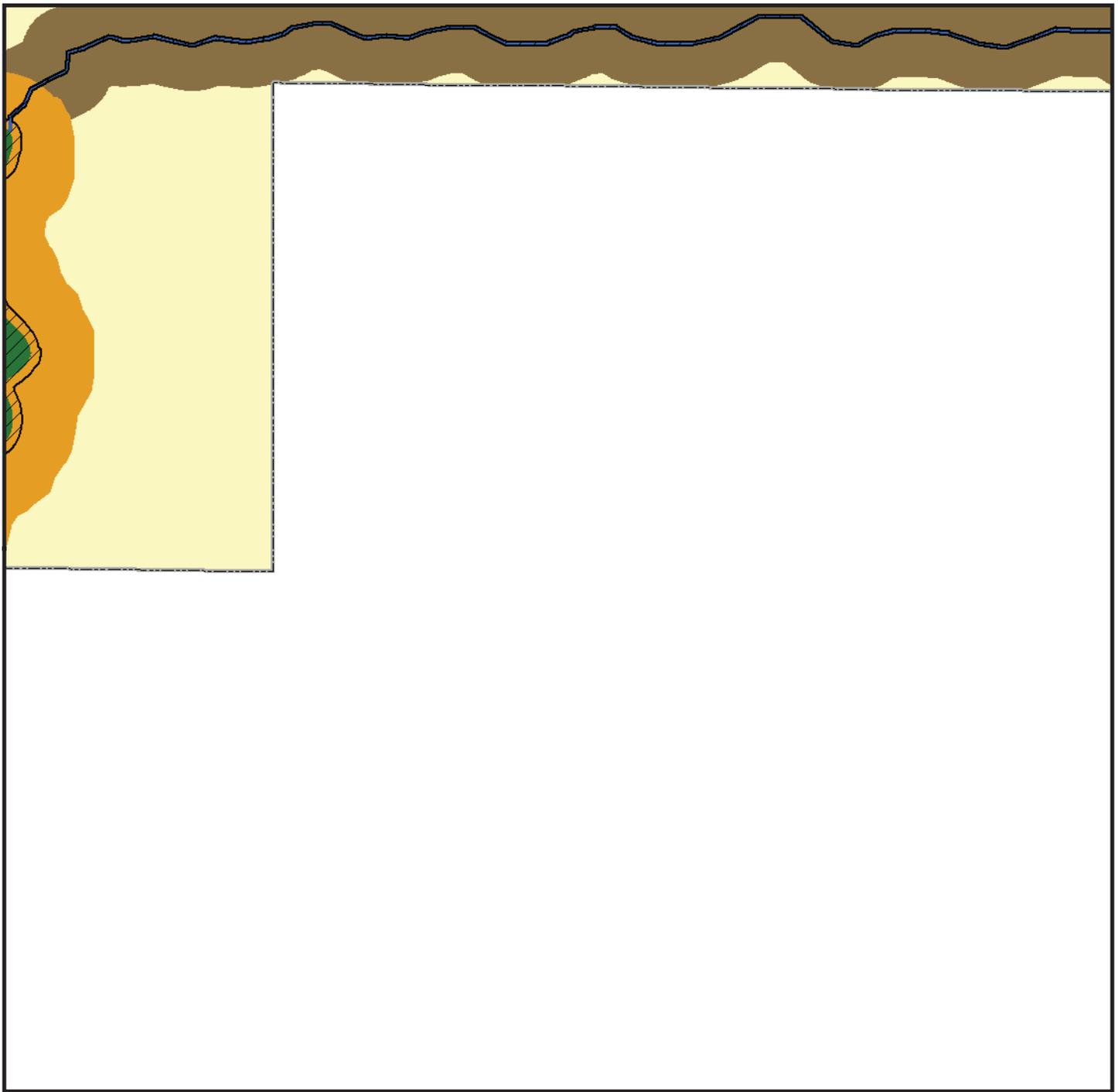


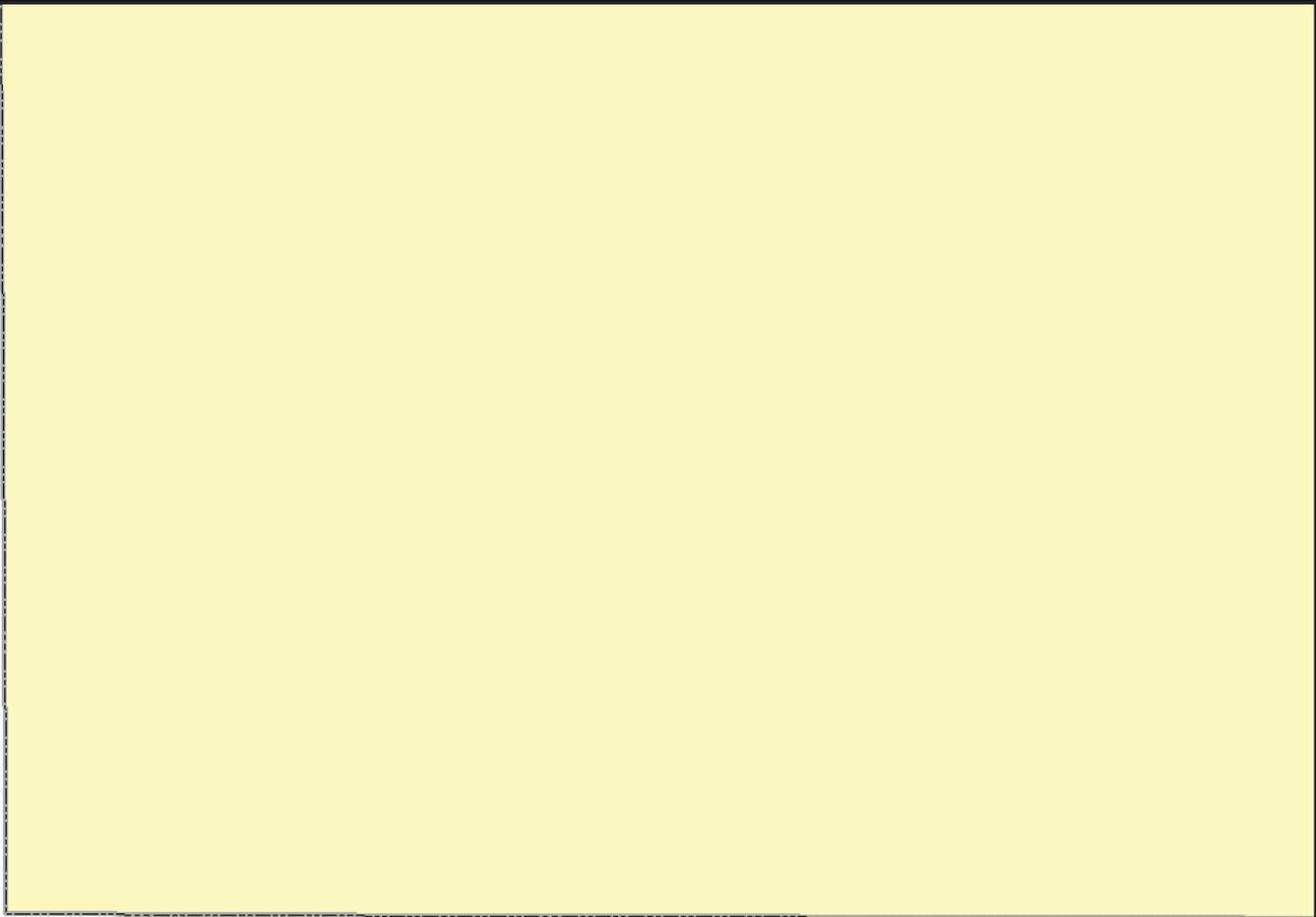






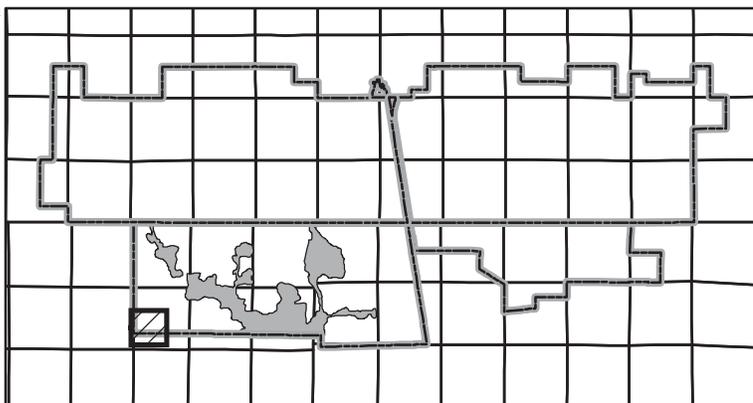






-  South Pasture Mine
-  South Pasture Extension
-  No Mine Boundary
-  Planned Habitat Areas
-  Immediate Protection Level 1 - South Pasture Extension - 1094.7 ac. +/-
-  Post-Reclamation Protection Level 1 (includes Temporary Disturbance) - 2205.0 ac. +/-
-  Other Habitat Restoration

- Post Reclamation Land Use
-  200
 -  300
 -  400
 -  500
 -  600
 -  700
 -  800



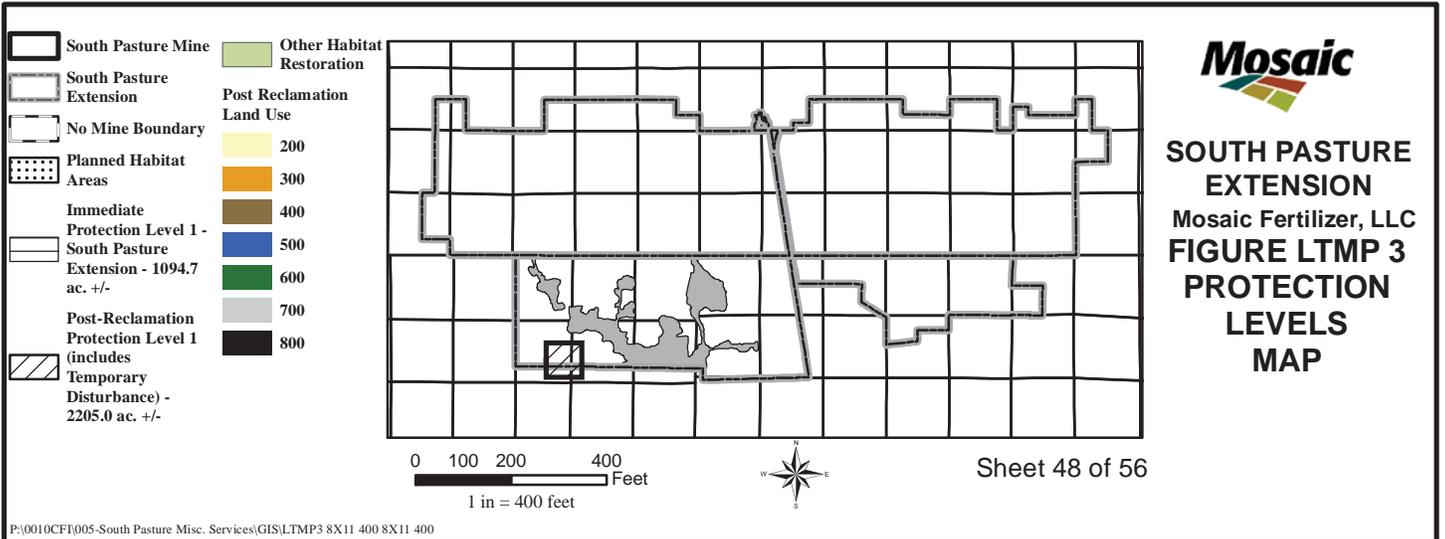
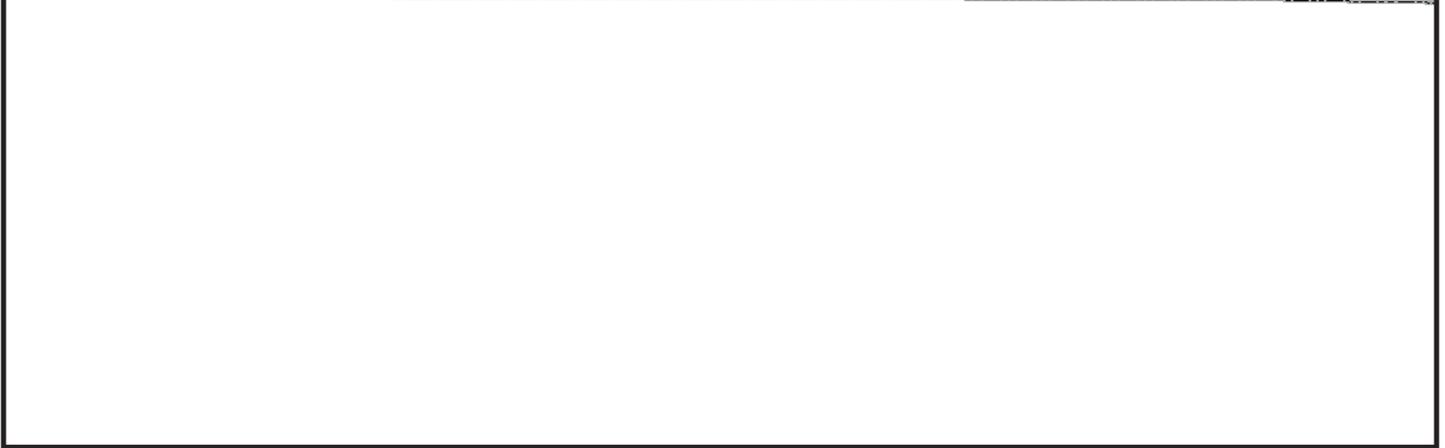
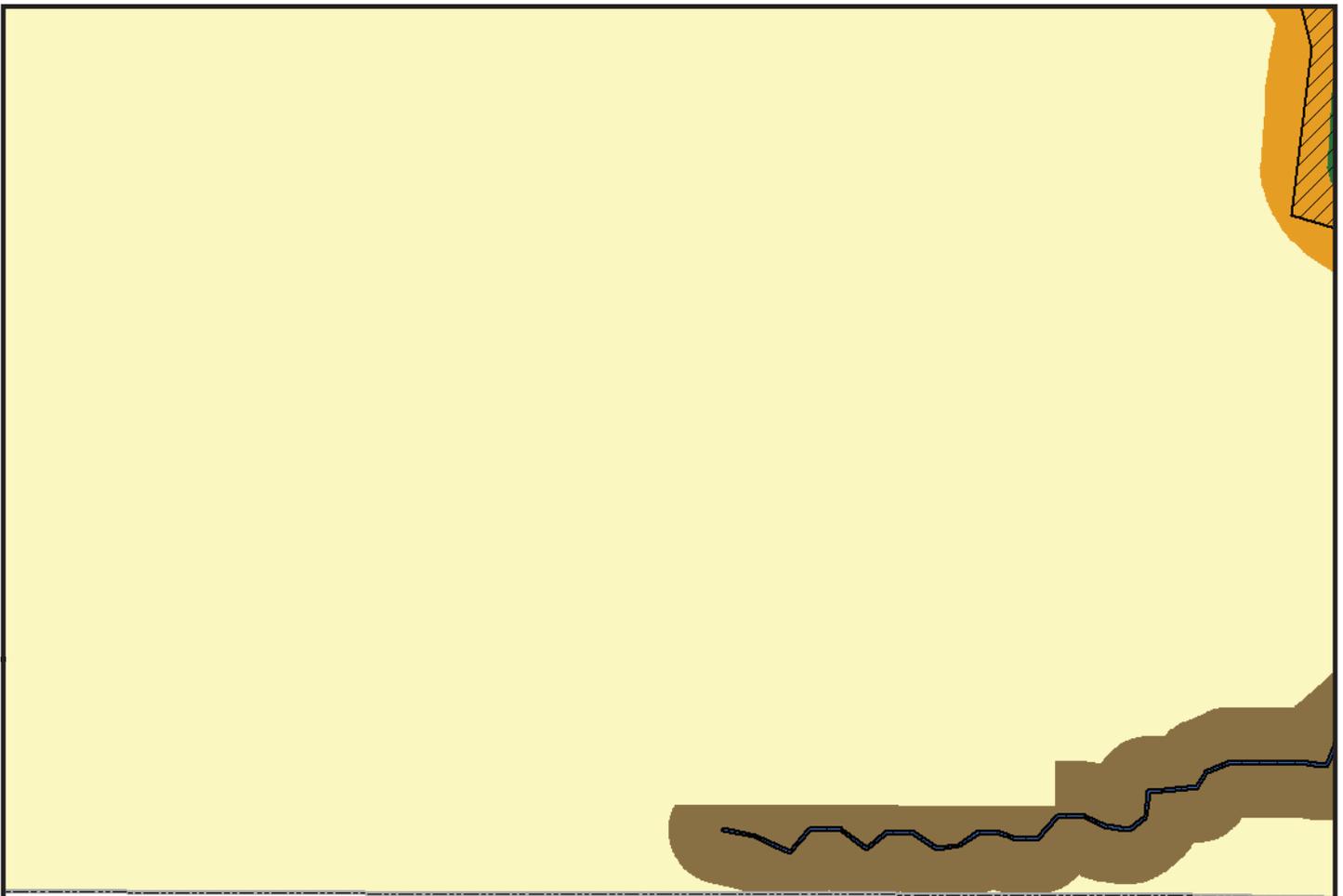
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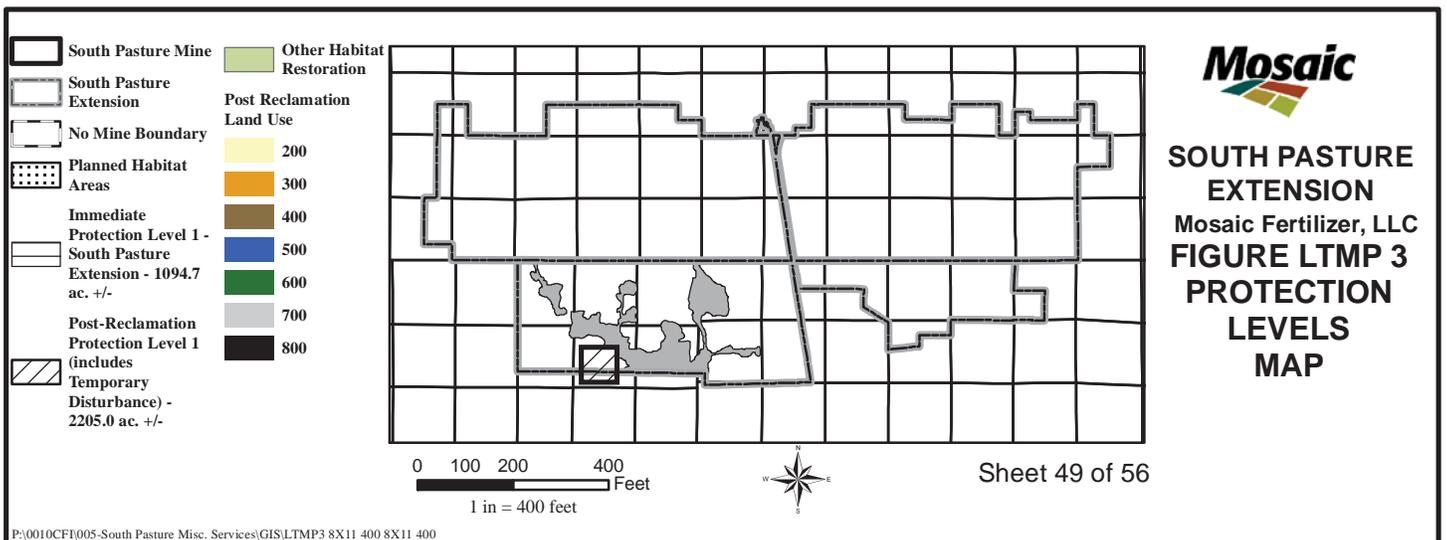
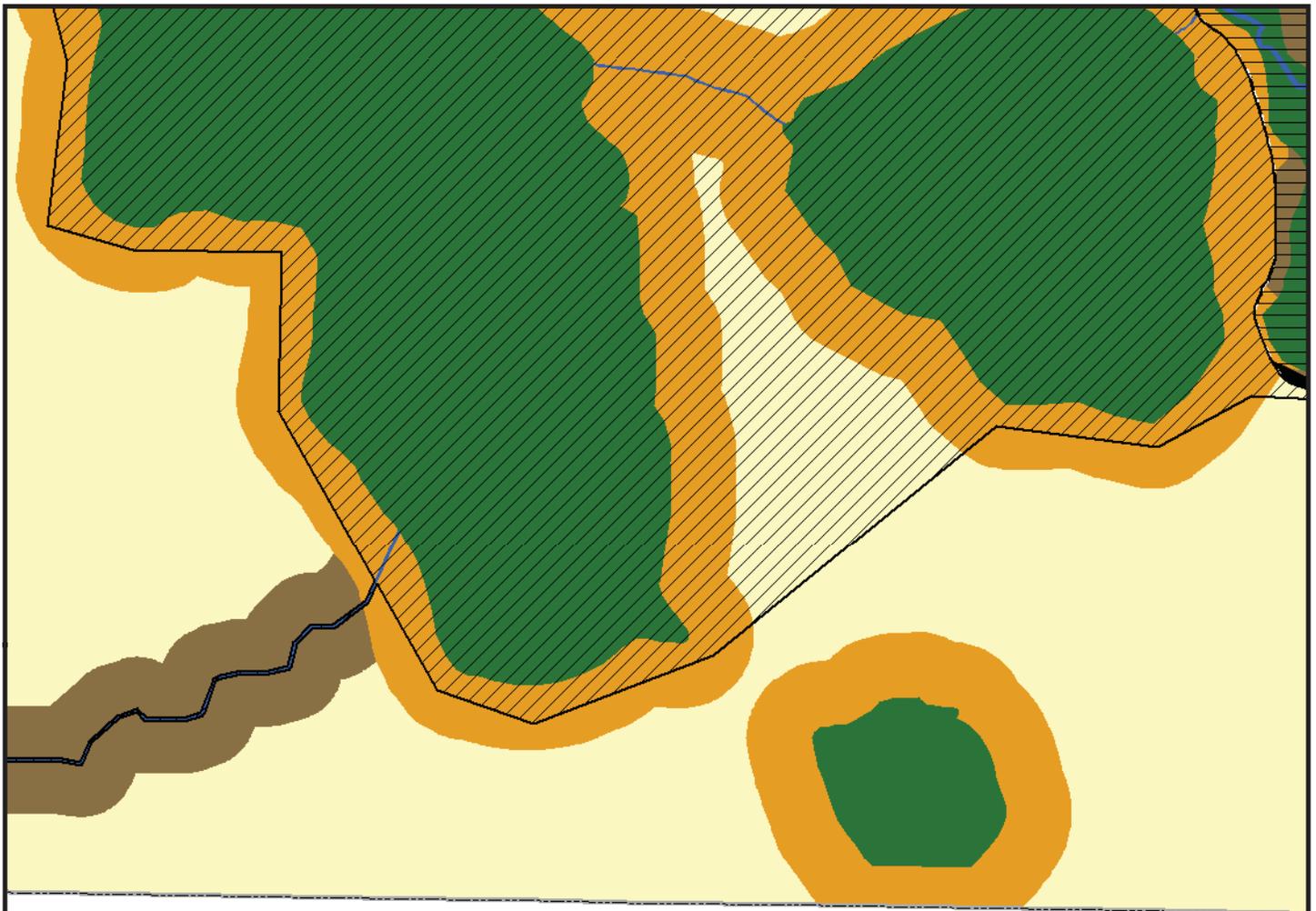


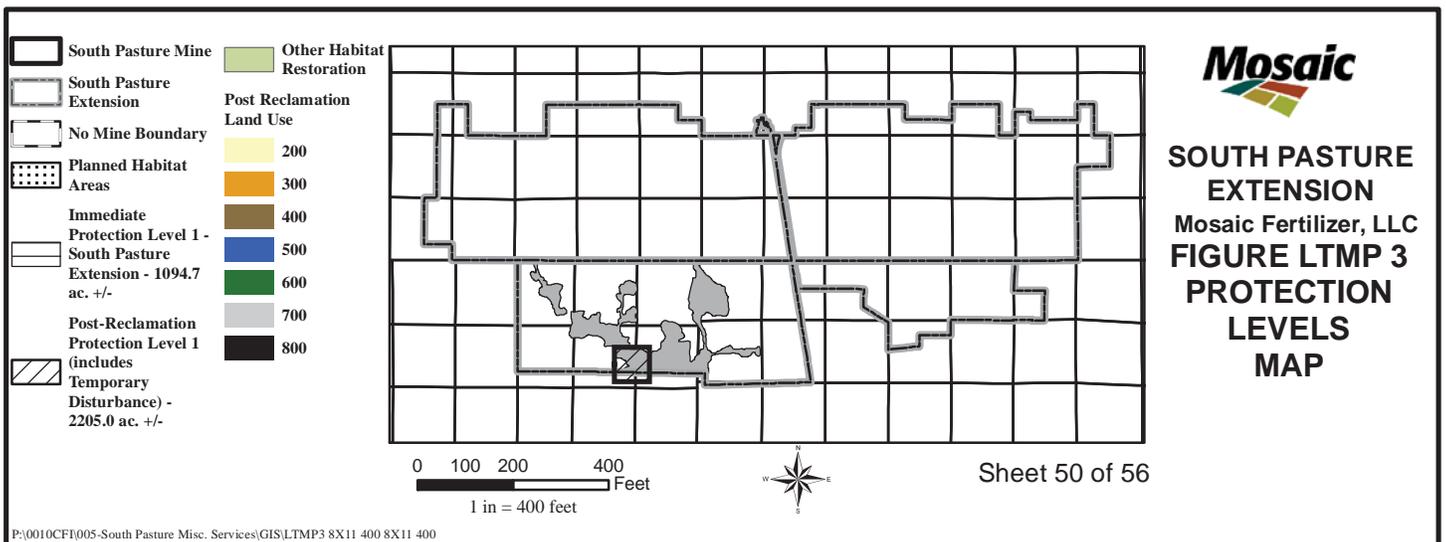
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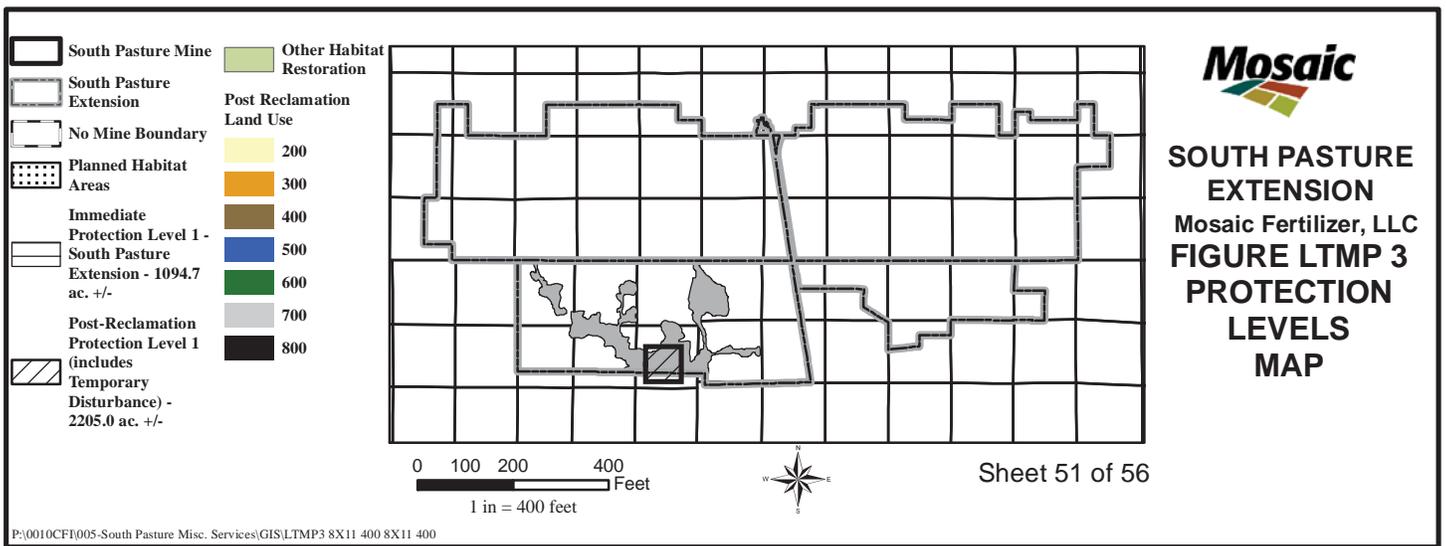
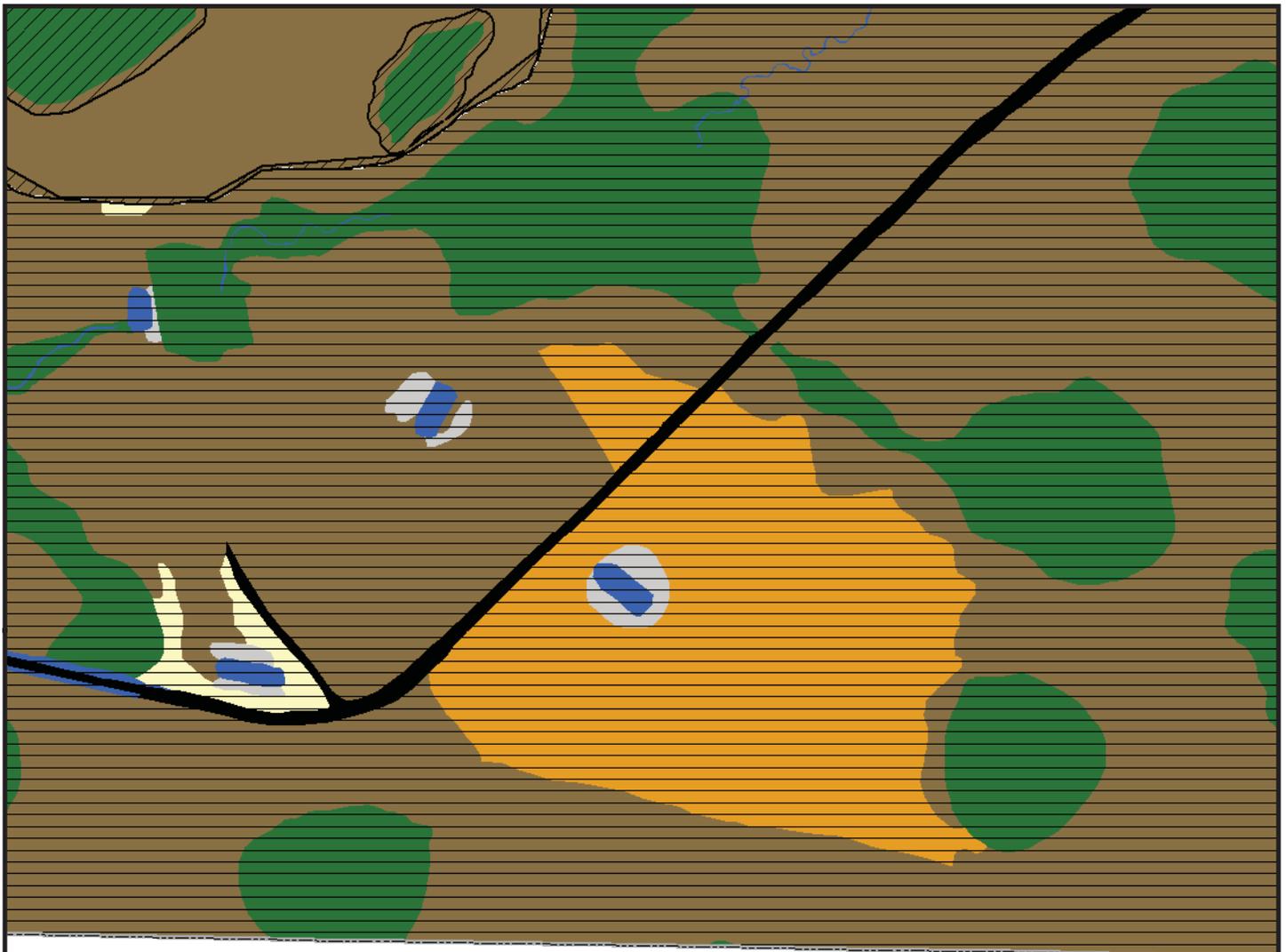


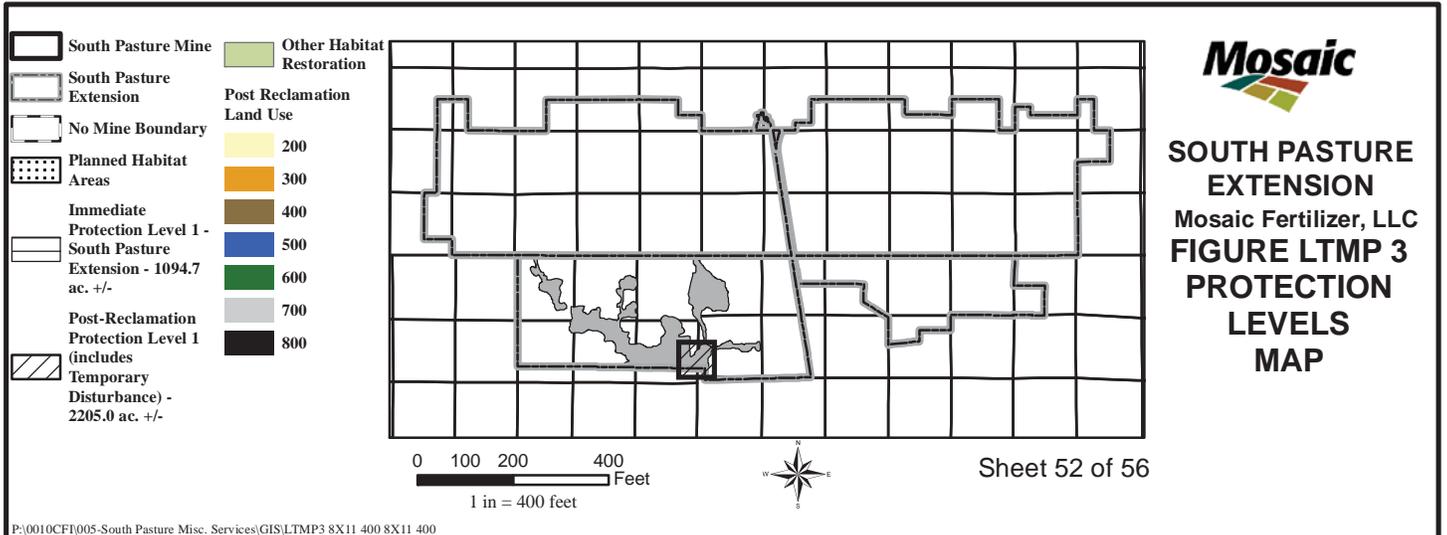
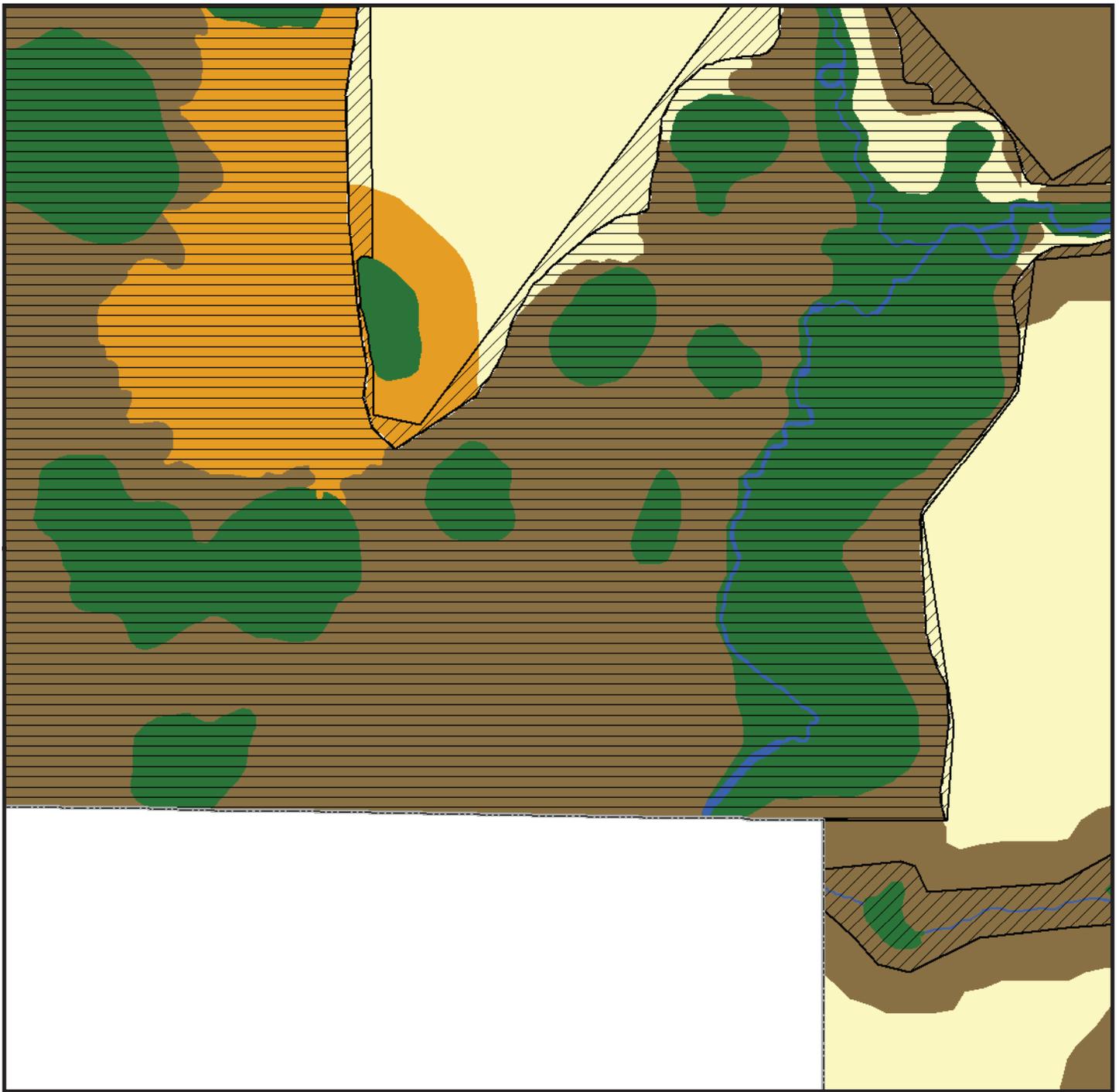
**SOUTH PASTURE
EXTENSION
Mosaic Fertilizer, LLC
FIGURE LTMP 3
PROTECTION
LEVELS
MAP**



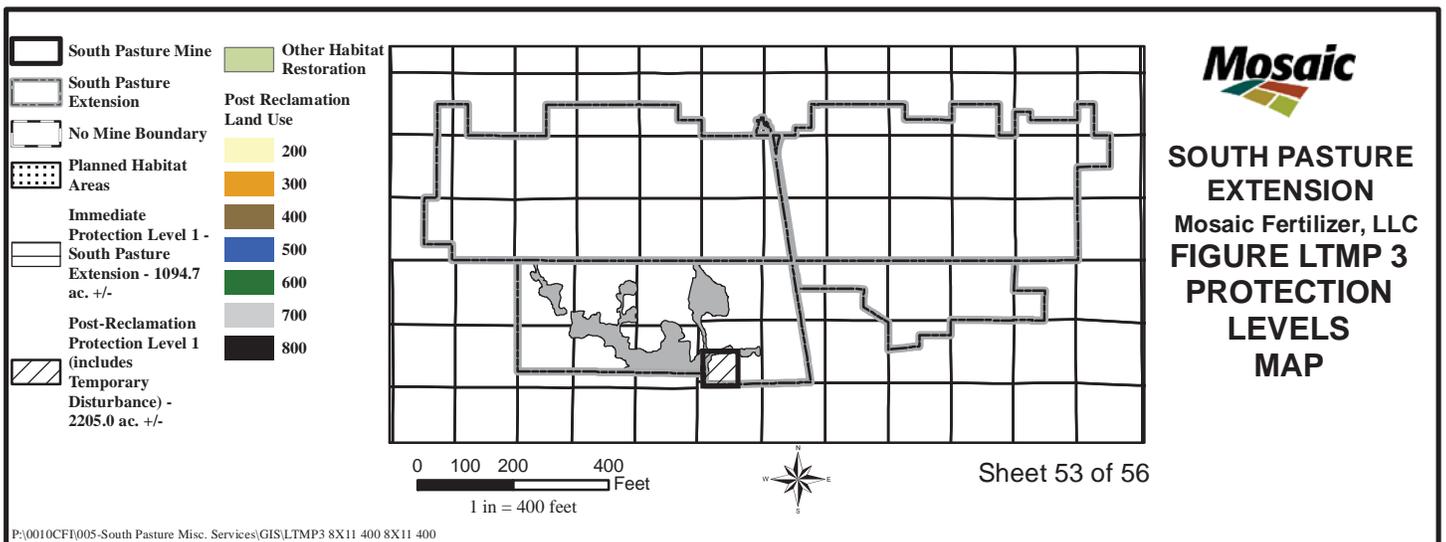


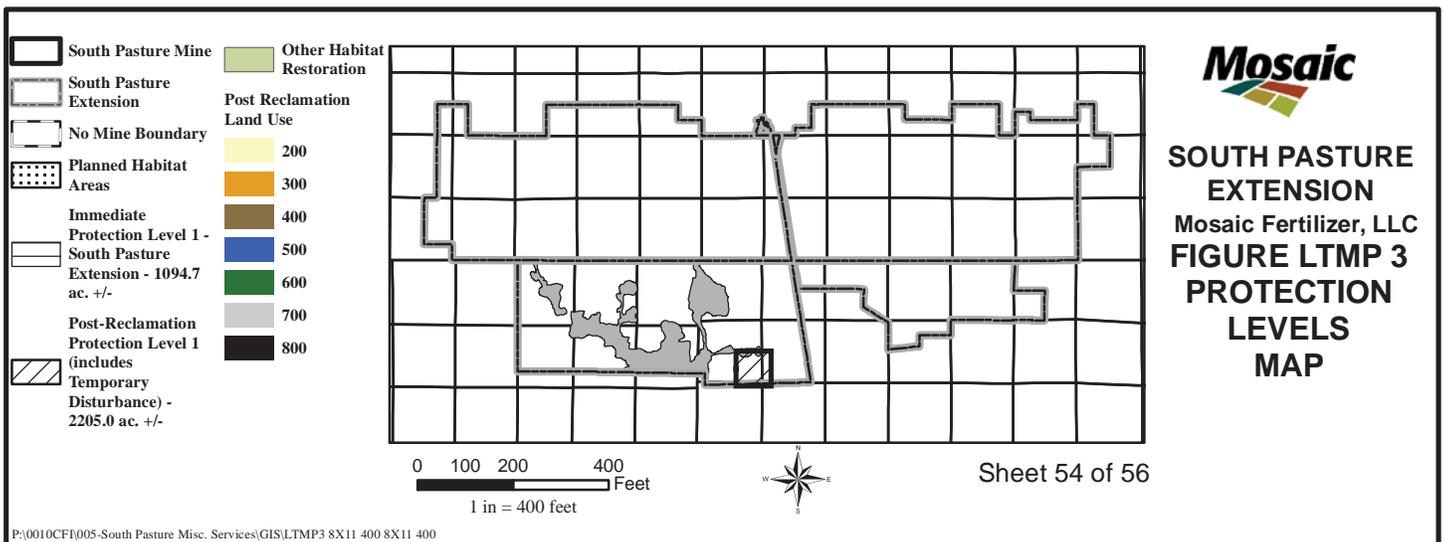
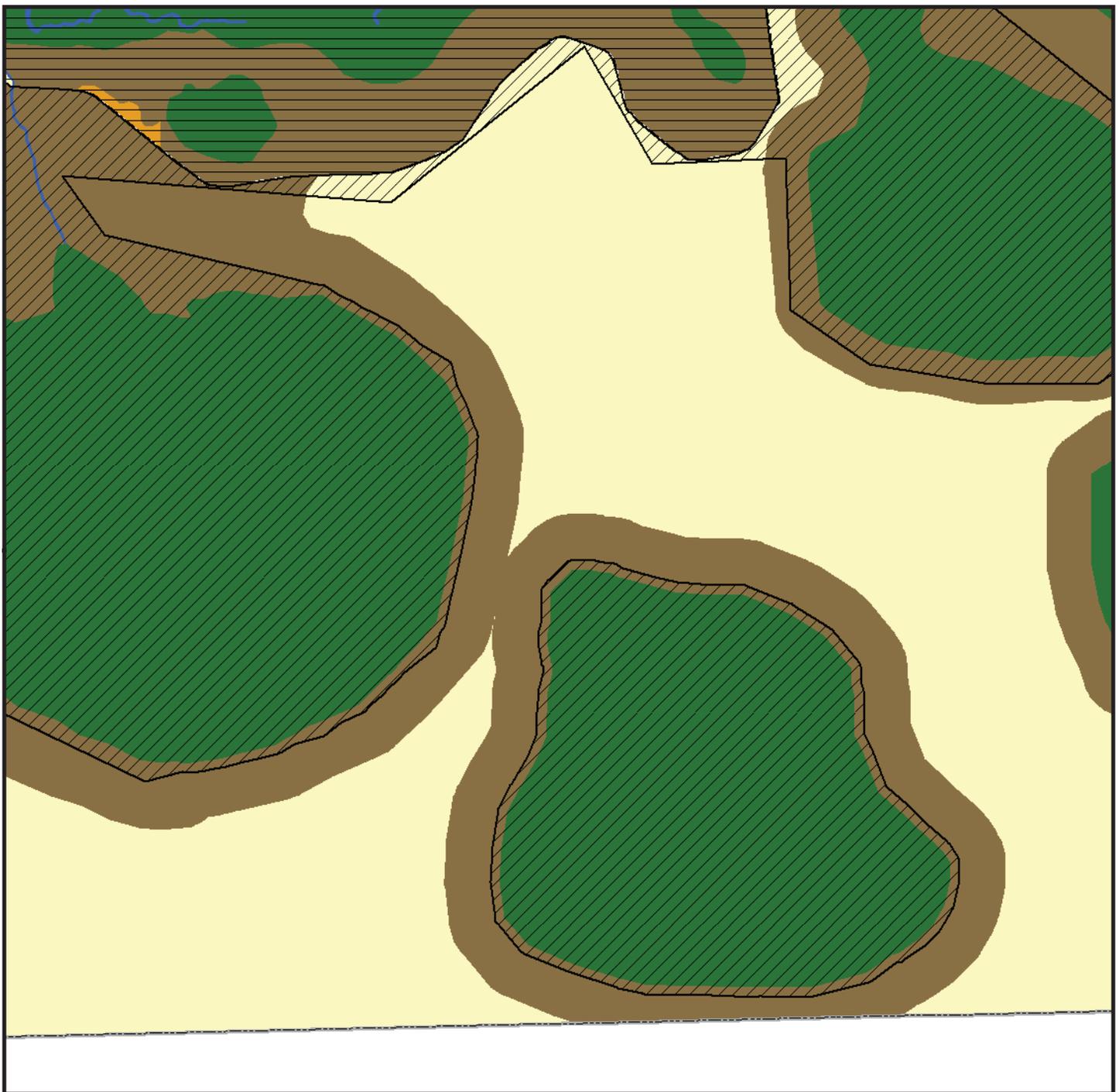


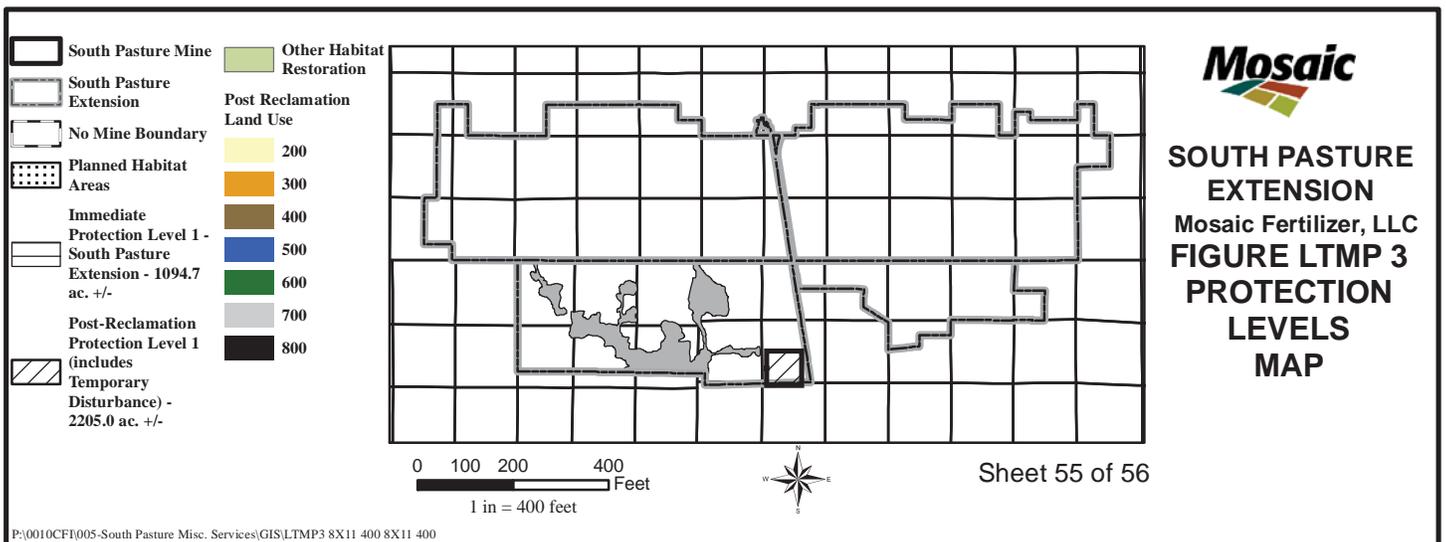
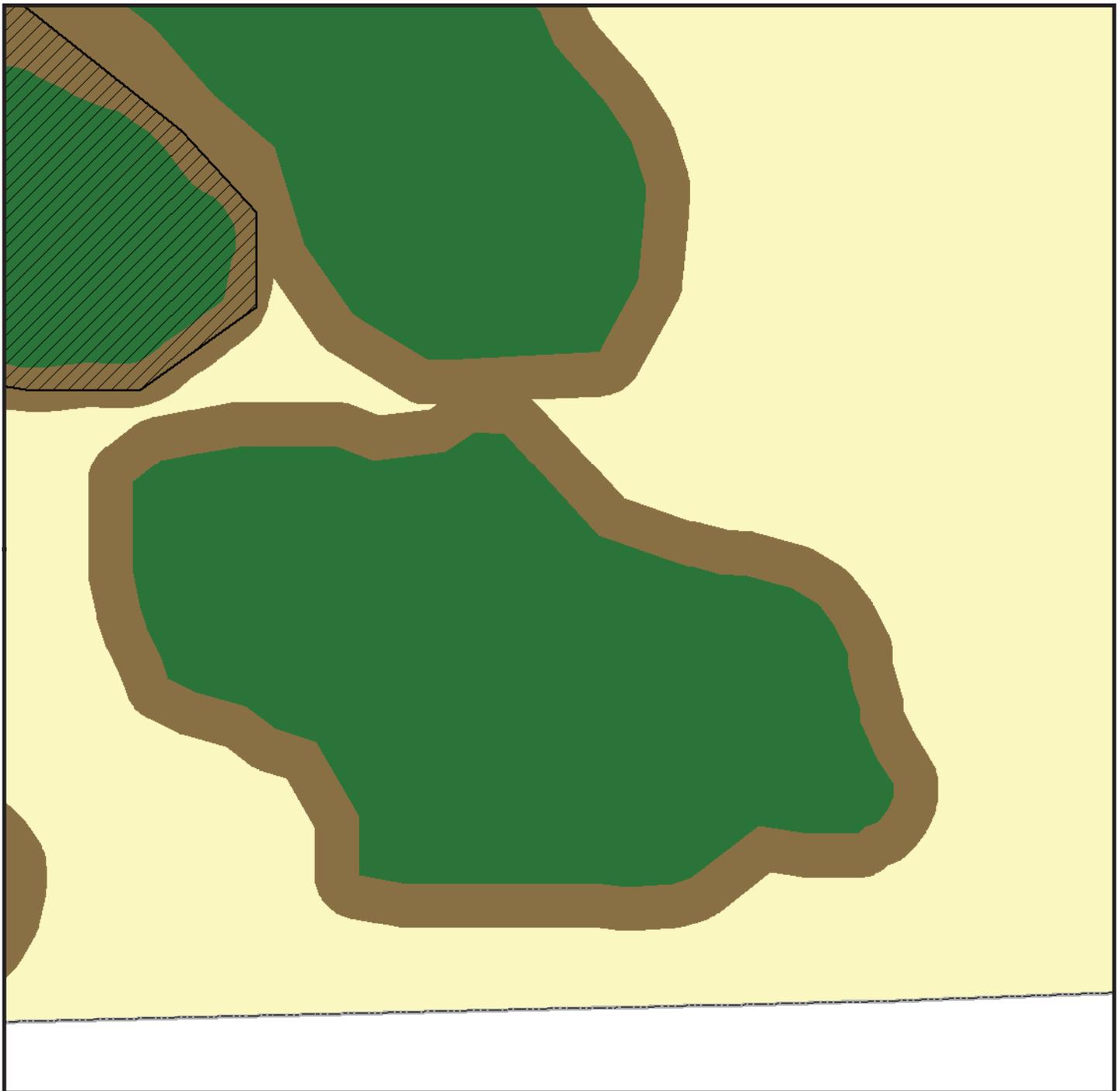


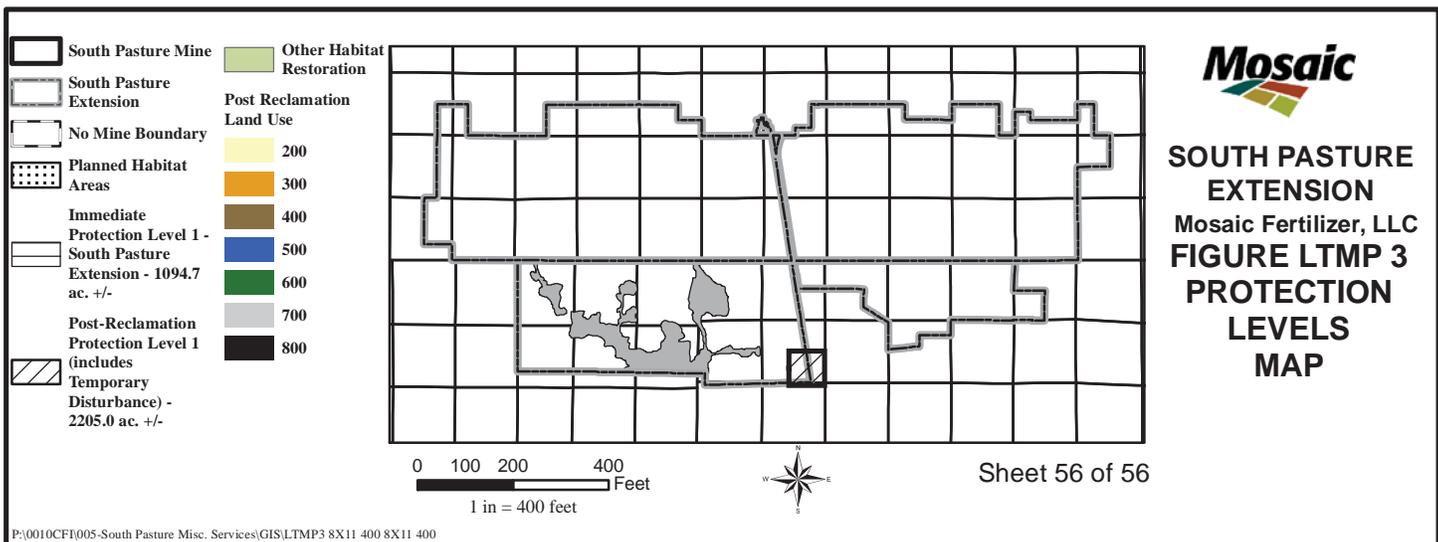
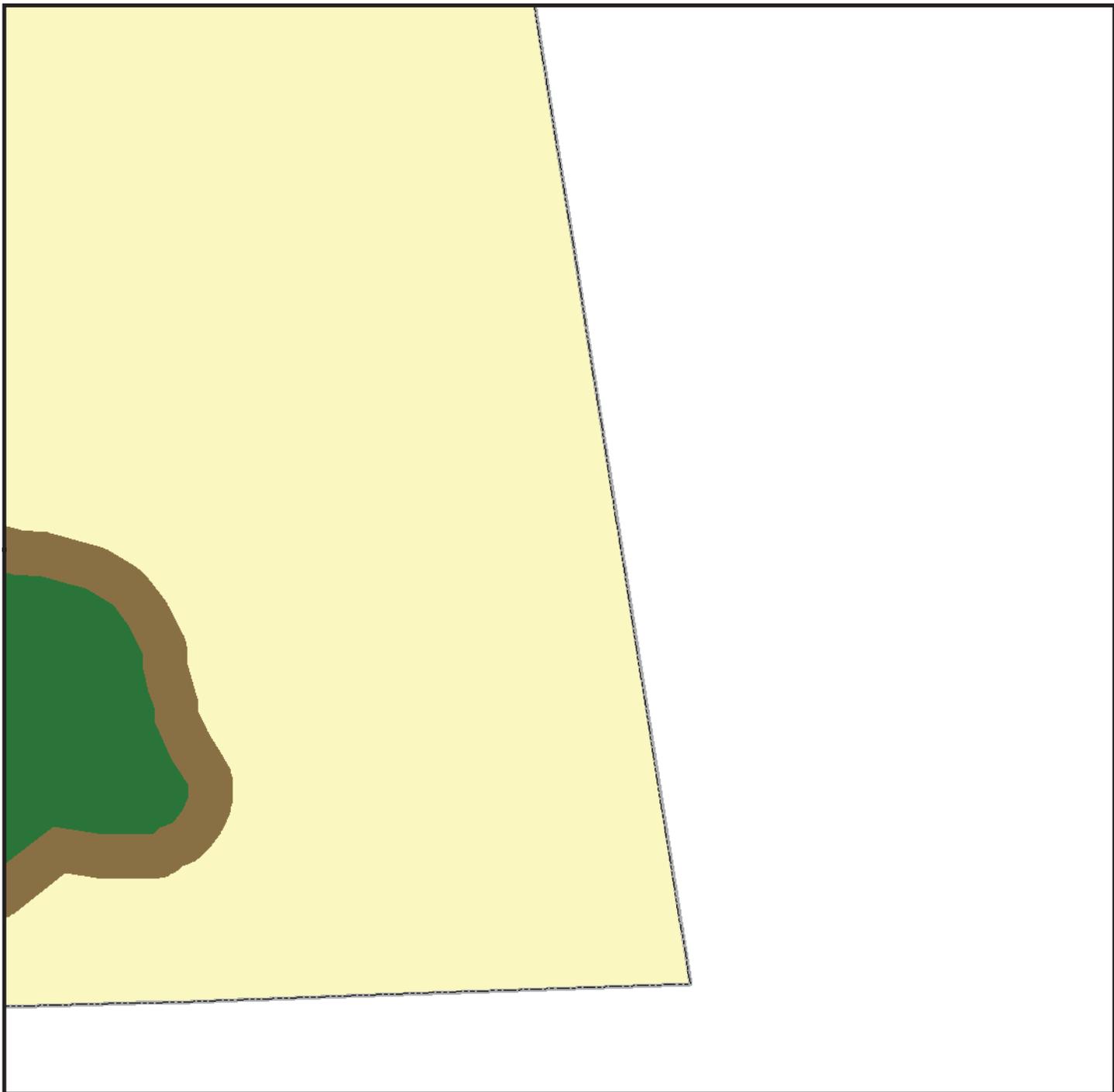


SOUTH PASTURE EXTENSION
 Mosaic Fertilizer, LLC
FIGURE LTMP 3 PROTECTION LEVELS MAP









FLEPPC List Definitions: **Exotic** – a species introduced to Florida, purposefully or accidentally, from a natural range outside of Florida. **Native** – a species whose natural range includes Florida. **Naturalized exotic** – an exotic that sustains itself outside cultivation (it is still exotic; it has not “become” native). **Invasive exotic** – an exotic that not only has naturalized, but is expanding on its own in Florida native plant communities.



Abbreviations: Government List (Gov. List): P = Prohibited aquatic plant by the Florida Department of Agriculture and Consumer Services; N = Noxious weed listed by Florida Department of Agriculture and Consumer Services; U = Noxious weed listed by U.S. Department of Agriculture. **Regional Distribution (Reg. Dist.):** N = north, C = central, S = south, referring to each species' current distribution in general regions of Florida (not its potential range in the state). Please refer to the adjacent map.

Citation example:

FLEPPC. 2013. List of Invasive Plant Species. Florida Exotic Pest Plant Council. Internet: <http://www.fleppc.org/list/list.htm>

The 2013 list was prepared by the **FLEPPC Plant List Committee:**

- Patricia L. Howell**, Chair (2012-present), Broward County Parks, Natural Resource and Land Management Section, 950 NW 38th St., Oakland Park, FL 33309, (954) 357-8137, phowell@broward.org
- Janice A. Duquesnel**, Florida Park Service, Florida Department of Environmental Protection, 77200 Overseas Highway, Islamorada, FL 33036, (305) 664-8455, Janice.Duquesnel@dep.state.fl.us
- David W. Hall**, Private Consulting Botanist and Author, 3666 NW 13th Place, Gainesville, FL 32605, O (352) 375-1370, F (352) 377-2729
- Roger L. Hammer**, Retired Naturalist and Author, 17360 Avocado Drive, Homestead, FL 33030, kaskazi44@comcast.net
- Colette C. Jacono**, Florida Museum of Natural History, PO Box 110575, Gainesville, FL 32611-0575, (352) 318-2931, colettej@ufl.edu
- Kenneth A. Langeland**, University of Florida-IFAS, Center for Aquatic and Invasive Plants, 7922 NW 71st St., Gainesville, FL 32653, (352) 392-9614, gator8@ufl.edu
- Chris Lockhart**, Habitat Specialists, Inc., c/o P.O. Box 243116, Boynton Beach, FL 33424-3116, (561) 738-1179, chris@lockharts.org
- Jean McCollom**, Florida Fish and Wildlife Conservation Commission, PO Box 716, Felda, FL 33930, (863) 612-0775, Jean.McCollom@myFWC.com
- Gil Nelson**, Gil Nelson Associates, 157 Leonard's Dr., Thomasville, GA 31792, gil@ginelson.com
- Jimi L. Sadle**, Everglades National Park, 40001 State Road 9336, Homestead, FL 33034, (305) 242-7806, Jimi_Sadle@nps.gov
- Daniel B. Ward**, Department of Botany, University of Florida, 220 Barram Hall, Gainesville, FL 32611
- Richard P. Wunderlin**, Institute for Systematic Botany, Department of Cell Biology, Microbiology & Molecular Biology, University of South Florida, 4202 E. Fowler Ave., ISA 2015, Tampa, FL 33620, (813) 974-2359, rwunderl@usf.edu

For more information on invasive exotic plants, including links to related web pages, visit the Florida EPPC web site: <http://www.fleppc.org>

Florida Exotic Pest Plant Council's 2013 List of Invasive Plant Species

The mission of the Florida Exotic Pest Plant Council is to support the management of invasive exotic plants in Florida's natural areas by providing a forum for the exchange of scientific, educational and technical information.

Note: The FLEPPC List of Invasive Plant Species is not a regulatory list. Only those plants listed as Federal Noxious Weeds, Florida Noxious Weeds, Florida Prohibited Aquatics Plants, or in local ordinances are regulated by law.

Purpose of the List:

To focus attention on —

- ▶ the adverse effects exotic pest plants have on Florida's biodiversity and native plant communities,
- ▶ the habitat losses in natural areas from exotic pest plant infestations,
- ▶ the impacts on endangered species via habitat loss and alteration,
- ▶ the need for pest plant management,
- ▶ the socio-economic impacts of these plants (e.g., increased wildfires or flooding in certain areas),
- ▶ changes in the severity of different pest plant infestations over time,
- ▶ providing information to help managers set priorities for research and control programs.



www.fleppc.org

Application for Membership in the Florida Exotic Pest Plant Council

Annual Membership Levels (circle one)

Individual	Institutional
Student \$10	Library \$100
General \$30	General \$100
Donor \$75 +	Contributor \$501 – \$10,000
	Patron \$10,001 +

FLEPPC is a 501(c)(3) nonprofit organization.

NAME _____

ORGANIZATION _____

MAILING ADDRESS _____

CITY, STATE, ZIP _____

TELEPHONE _____

FAX _____

E-MAIL _____

Mail application & dues, payable to FLEPPC, to:

Florida EPPC, Treasurer
 PO Box 23426
 Fort Lauderdale, FL 33307
 (Or join online at www.fleppc.org)

**DEED OF CONSERVATION EASEMENT
THIRD PARTY BENEFICIARY RIGHTS TO USACE
FOR MOSAIC SOUTH PASTURE EXTENSION ON-SITE AREAS**

Prepared by:

Hopping Green & Sams, P.A.
Attn: Amelia Savage
119 South Monroe, Suite 300
Tallahassee, FL 32301

Return original or certified recorded document to:
Department of Environmental Protection
Division of Water Resource Management
Mining and Mitigation Program
2600 Blair Stone Road, M.S. 3577
Tallahassee, FL 32399

THIS DEED OF CONSERVATION EASEMENT is given this ____ day of _____, 20____, by South Ft. Meade Land Management, Inc., a Delaware corporation, ("Grantor") having an address at 3033 Campus Drive, Suite E490, Plymouth, MN 55441 to the State of Florida Department of Environmental Protection ("Grantee") whose address is Department of Environmental Protection, 2600 Blair Stone Road, Mail Station 3577, Tallahassee, Florida 32399-3000. As used herein, the term "Grantor" shall include any and all heirs, successors or assigns of the Grantor, and all subsequent owners of the "Conservation Easement Area" (as hereinafter defined) and the term "Grantee" shall include any successor or assignee of Grantee.

WITNESSETH

WHEREAS, the Grantor is the fee simple owner subject to the matters described herein of certain lands in Hardee County, Florida, and more specifically described on the location map in Exhibit "A" attached hereto and incorporated herein (the "Property"); and

WHEREAS, Permit No. 0294666-001 ("Permit") and any modifications thereto issued by the Grantee authorizes certain activities which could affect wetlands or other surface waters in or of the State of Florida; and

WHEREAS, the U.S. Army Corps of Engineers Permit No. 1993-01395 ("Corps Permit") authorizes certain activities in the waters of the United States and requires this site protection instrument over the lands identified in Exhibit B as mitigation for such activities; and

WHEREAS, the Grantor, in consideration of the consent granted by the Permit or other good and valuable consideration provided to Grantor, is agreeable to granting and securing to the Grantee a perpetual Conservation Easement as defined in Section 704.06, Florida Statutes (F.S.), over the area of the Property described on Exhibit "B" ("Conservation Easement Area"); and

WHEREAS, Grantor grants this Conservation Easement as a condition of the Permit and the Corps Permit, solely to off-set or prevent adverse impacts to natural resources, fish and wildlife, and wetland functions; and

WHEREAS, Grantor desires to preserve the Conservation Easement Area in perpetuity in its natural condition, or, in accordance with the Permit and the Corps Permit, in an enhanced, restored, or created condition; and

NOW, THEREFORE, in consideration of the issuance of the Permit and the Corps Permit to construct and operate the permitted activity, and as an inducement to Grantee in issuing the Permit, together with other good and valuable consideration provided to the Grantor, the adequacy and receipt of which are hereby acknowledged, Grantor hereby voluntarily grants, creates, conveys, and establishes a perpetual Conservation Easement for and in favor of the Grantee upon the Conservation Easement Area which shall run with the land and be binding upon the Grantor, and shall remain in full force and effect forever.

The scope, nature, and character of this Conservation Easement shall be as follows:

1. Recitals. The recitals hereinabove set forth are true and correct and are hereby incorporated into and made a part of this Conservation Easement.
2. Purpose. It is the purpose of this Conservation Easement to retain land or water areas in their existing, natural, vegetative, hydrologic, scenic, open or wooded condition and to retain such areas as suitable habitat for fish, plants, or wildlife in accordance with Section 704.06, F.S. Those wetland, stream and upland areas included in this Conservation Easement which are to be preserved, enhanced, restored, or created pursuant to the Permit or the Corps Permit (or any modification thereto) shall be retained and maintained in the preserved, enhanced, restored, or created condition required by the Permit or the Corps Permit (or any modification thereto). The existing conditions of the Conservation Easement Area are documented in the Baseline Condition Report attached hereto as Exhibit "C" or referenced therein. If any portion of the Conservation Easement Area is enhanced, restored, or created after the date hereof, a revised Baseline Condition Report will be developed by Grantor and approved by the Grantee to document the enhanced, restored, or created conditions, which approval by Grantee shall not be unreasonably withheld or delayed.

To carry out this purpose, the following rights are conveyed to Grantee by this easement:

- a. Upon reasonable notice, to enter upon the Conservation Easement Area at reasonable times with any necessary equipment or vehicles to inspect, determine compliance with the covenants and prohibitions contained in this easement, and to enforce the rights herein granted in a manner that will not unreasonably interfere with the use and quiet enjoyment of the Conservation Easement Area by Grantor at the time of such entry; and
- b. To proceed at law or in equity to enforce the provision of this Conservation Easement and the covenants set forth herein, to prevent the occurrence of

any of the prohibited activities set forth herein, and to require the restoration of such areas or features of the Conservation Easement Area that may be damaged by any activity or use that is inconsistent with this Conservation Easement.

3. Prohibited Uses. Except for activities that are permitted or required by the Permit or the Corps Permit (or any modification thereto) (which may include restoration, creation, enhancement, maintenance, and monitoring activities, or surface water management improvements), any activity on or use of the Conservation Easement Area inconsistent with the purpose of this Conservation Easement is prohibited. Without limiting the generality of the foregoing, the following activities are expressly prohibited in or on the Conservation Easement Area [except as authorized by the Permit or the Corps Permit (or any modification thereof)]:
 - a. Construction or placing of buildings, roads, signs, billboards or other advertising, utilities, or other structures on or above the ground;
 - b. Dumping or placing of soil or other substance or material as landfill, or dumping or placing of trash, waste, or unsightly or offensive materials;
 - c. Removing, destroying or trimming trees, shrubs, or other vegetation, except:
 - i. The removal of dead trees and shrubs or leaning trees that could cause damage to property is authorized;
 - ii. The destruction and removal of noxious, nuisance or exotic invasive plant species as listed on the most recent Florida Exotic Pest Plant Council's List of Invasive Species is authorized;
 - iii. Activities authorized by the Permit or the Corps Permit or described in the Management Plan (if any), or otherwise approved in writing by the Grantee are authorized; and
 - iv. Activities conducted in accordance with a wildfire mitigation plan developed with the Florida Forest Service that has been approved in writing by the Grantee are authorized. No later than thirty (30) days before commencing any activities to implement the approved wildfire mitigation plan, Grantor shall notify the Grantee in writing of its intent to commence such activities. All such activities may only be completed during the time period for which the Grantee approved the plan;
 - d. Excavation, dredging, or removal of loam, peat, gravel, soil, rock, or other material substance in such manner as to affect the surface;
 - e. Surface use except for purposes that permit the land or water area to remain in its natural, restored, enhanced, or created condition;
 - f. Activities detrimental to drainage, flood control, water conservation, erosion control, soil conservation, or fish and wildlife habitat preservation including, but not limited to, ditching, diking, clearing, and fencing;
 - g. Acts or uses detrimental to such aforementioned retention of land or water

areas; and

- h. Acts or uses which are detrimental to the preservation of the structural integrity or physical appearance of sites or properties having historical, archaeological, or cultural significance.

- 4. Grantor's Reserved Rights. Grantor reserves all rights as owner of the Conservation Easement Area, including the right to engage, or to permit or invite others to engage, in all uses of the Conservation Easement Area that are not prohibited herein and which are not inconsistent with the Permit or the Corps Permit (or any modification thereto), or the intent and purposes of this Conservation Easement.

Grantor's reserved rights specifically include raising, pasturing and grazing of livestock in the Conservation Easement Area, provided those activities are conducted using the best management practices identified in the 2008 Edition of the "Water Quality Best Management Practices for Florida Cow/Calf Operations" manual published by the Florida Department of Agriculture and Consumer Services, Office of Water Quality (DACs-P-01280), for the protection of surface waters, wetlands, and other aquatic resources.

The Corps Permit prohibits cattle grazing as a secondary use to aquatic resource mitigation in the Conservation Easement Area unless and until there is a Corps-approved cattle grazing management plan, the Corps has determined that the Grantor has demonstrated that cattle grazing is consistent with the objectives of the compensatory mitigation plan, and the Conservation Easement Area is maintained in accordance with the conditions of the Corps Permit.

- 5. Rights of the U.S. Army Corps of Engineers ("Corps"). The Corps, as a third-party beneficiary, shall have the right to enforce the terms and conditions of this Conservation Easement, including:
 - a. The right to take action to preserve and protect the environmental value of the Conservation Easement Area;
 - b. The right to prevent any activity on or use of the Conservation Easement Area that is inconsistent with the purpose of this Conservation Easement, and to require the restoration of areas or features of the Conservation Easement Area that may be damaged by any inconsistent activity or use;
 - c. The right to enter upon and inspect the Conservation Easement Area in a reasonable manner and at reasonable times to determine if Grantor or its successors and assigns are complying with the covenants and prohibitions contained in this Conservation Easement Area; and
 - d. The right to enforce this Conservation Easement Area by injunction or proceed at law or in equity to enforce the provisions of this Conservation Easement and the covenants set forth herein, to prevent the occurrence of any of the prohibited activities set forth herein, and the right to require Grantor, or its successors or assigns, to restore such areas or features of the Conservation Easement Area that may be damaged by any inconsistent

activity or use or unauthorized activities.

The Grantor, including their successors or assigns, shall provide the Corps at least 60 days advance notice in writing before any action is taken to amend, alter, release, or revoke this Conservation Easement. The Grantee shall provide reasonable notice and an opportunity to comment or object to the release or amendment to the U.S. Army Corps of Engineers. The Grantee shall consider any comments or objections from the U.S. Army Corps of Engineers when making the final decision to release or amend this Conservation Easement.

6. No Dedication. No right of access by the general public to any portion of the Conservation Easement Area is conveyed by this Conservation Easement.
7. Grantee's and Third Party Beneficiary's Liability. Grantee's liability is limited as provided in Subsection 704.06(10) and Section 768.28, F.S. Additionally, Grantee and Third Party Beneficiary shall not be responsible for any costs or liabilities related to the operation, upkeep, or maintenance of the Conservation Easement Area.
8. Enforcement. Enforcement of the terms, provisions and restrictions of this Conservation Easement shall be at the reasonable discretion of Grantee, and any forbearance on behalf of Grantee to exercise its rights hereunder in the event of any breach hereof by Grantor, shall not be deemed or construed to be a waiver of Grantee's rights hereunder. Grantee shall not be obligated to Grantor, or to any other person or entity, to enforce the provisions of this Conservation Easement.
9. Third Party Beneficiary's Enforcement Rights. The Third Party Beneficiary of this Conservation Easement shall have all the rights of the Grantee under this Conservation Easement, including third party enforcement rights of the terms, provisions and restrictions of this Conservation Easement. Third Party Beneficiary's enforcement of the terms, provisions and restrictions shall be at the discretion of the Third Party Beneficiary, and any forbearance on behalf of the Third Party Beneficiary to exercise its rights hereunder in the event of any breach hereof by Grantor, shall not be deemed or construed to be a waiver of Third Party Beneficiary's rights hereunder. Third Party Beneficiary shall not be obligated to Grantor, or to any other person or entity, to enforce the provisions of this Conservation Easement.
10. Taxes. When perpetual maintenance is required by the Permit or the Corps Permit, Grantor shall pay before delinquency any and all taxes, assessments, fees, and charges of whatever description levied on or assessed by competent authority on the Conservation Easement Area, and shall furnish the Grantee with satisfactory evidence of payment upon request.
11. Assignment. Grantee will hold this Conservation Easement exclusively for conservation purposes. Grantee will not assign its rights and obligations under this Conservation Easement except to another organization or entity qualified to hold such interests under the applicable state laws.

12. Severability. If any provision of this Conservation Easement or the application thereof to any person or circumstances is found to be invalid, the remainder of the provisions of this Conservation Easement shall not be affected thereby, as long as the purpose of the Conservation Easement is preserved.
13. Transfers. Grantor and each of Grantor's successors in title to the Conservation Easement Area shall include the book and page of the public records of Hardee County, Florida of this Conservation Easement in each deed or other legal instrument by which Grantor or any such successor in title hereafter transfers any interest in the Conservation Easement Area. However, the failure of Grantor or any such successor in title to comply with this provision shall not impair the validity of this Conservation Easement or limit its enforceability in any way and the terms of this Conservation Easement shall be deemed to be automatically included into such deed or other legal instrument.
14. Written Notice. All notices, consents, approvals or other communications hereunder shall be in writing and shall be deemed properly given if sent by United States certified mail, return receipt requested, addressed to the appropriate party or successor-in-interest.
15. Modifications. This Conservation Easement may be amended, altered, released or revoked only by written agreement between the parties hereto or their heirs, assigns or successors-in-interest, which shall be filed in the public records in Hardee County, Florida.
16. Recordation. Grantor shall record this Conservation Easement in timely fashion in the Official Records of Hardee County, Florida, and shall rerecord it at any time Grantee may require to preserve its rights. Grantor shall pay all recording costs and taxes necessary to record this Conservation Easement in the public records. Grantor will hold Grantee harmless from any recording costs or taxes necessary to record this Conservation Easement in the public records.
17. Acts Beyond Grantor's Control. Nothing contained in this conservation easement shall be construed to entitle Grantee to bring any action against Grantor for any injury to or change in the Property resulting from natural causes beyond Grantor's control, including, without limitation, fire, flood storm, and earth movement, or from any necessary action taken by Grantor under emergency conditions to prevent, abate or mitigate significant injury to the Property or to public health, safety or welfare resulting from such causes.

TO HAVE AND TO HOLD unto Grantee forever. The covenants, terms, conditions, restrictions and purposes imposed with this Conservation Easement shall be binding upon Grantor, and shall continue as a servitude running in perpetuity with the Conservation Easement Area.

Grantor hereby covenants with Grantee that Grantor owns or may claim an interest in said Conservation Easement Area; that, except for the matters listed on "Exhibit D" attached hereto, the Conservation Easement is free and clear of all encumbrances that are inconsistent with the terms of this Conservation Easement; all mortgages and liens on the Conservation Easement Area, if any, have been subordinated to this Conservation Easement; that Grantor has good right and lawful authority to convey this Conservation Easement; and that it hereby fully warrants and defends record title to the Conservation

Easement Area hereby conveyed against the lawful claims of all persons whomsoever.

IN WITNESS WHEREOF, the Grantor and Grantee have executed this Conservation Easement on the day and year last below written and intending same to be effective as of the date first set forth above.

GRANTOR:

By: _____
Herschel E. Morris
Vice President, Minerals
South Ft. Meade Land Management, Inc.,
a Delaware corporation

Signed, sealed and delivered in our presence as witnesses:

By: _____ (Signature) By: _____ (Signature)

Name: _____ (Print) Name: _____ (Print)

STATE OF _____
COUNTY OF _____

On this _____ day of _____, 201__, before me, the undersigned notary public, personally appeared **Herschel E. Morris**, the person who subscribed to the foregoing instrument, as the **Vice President, Minerals of South Ft. Meade Land Management, Inc.**, a Delaware corporation, and he was duly authorized to do so. He is personally known to me or has produced a _____ (state) driver's license as identification.

IN WITNESS WHEREOF, I hereunto set my hand and official

seal. NOTARY PUBLIC, STATE OF

(Signature)

(Name)

My Commission Expires: _____

DEPARTMENT OF ENVIRONMENTAL PROTECTION:

By: _____

Director of Division of Water Resource Management
State of Florida
Department of Environmental Protection

Signed, sealed and delivered in our presence as witnesses:

By: _____
(Signature)

By: _____
(Signature)

Name: _____
(Print)

Name: _____
(Print)

**STATE OF FLORIDA
COUNTY OF LEON**

On this ___ day of _____, 201___, before me, the undersigned notary public, personally appeared _____ the person who subscribed to the foregoing instrument, as the **Director of Division of Water Resource Management, State of Florida Department of Environmental Protection**, and he was duly authorized to do so. He is personally known to me or has produced a _____ (state) driver's license as identification.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

NOTARY PUBLIC, STATE OF FLORIDA

(Signature)

(Name)

My Commission Expires: _____

EXHIBIT A
[LOCATION MAP]

EXHIBIT B

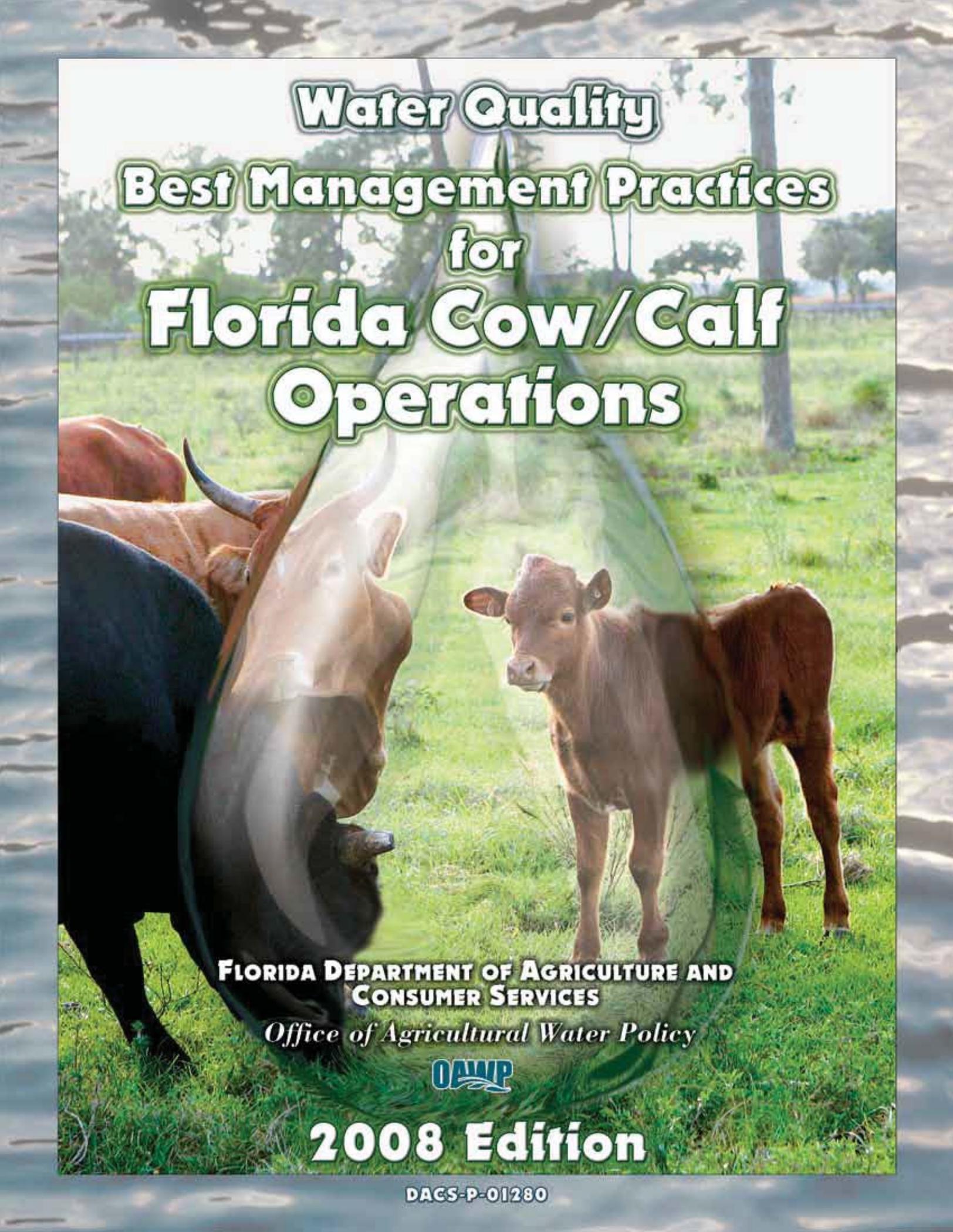
[LEGAL DESCRIPTION AND SKETCH OF CONSERVATION EASEMENT AREA]

EXHIBIT C

[BASELINE CONDITION REPORT]

EXHIBIT D

[EXISTING TITLE MATTERS]

The cover features a photograph of a cow and a calf in a grassy field. A large, semi-transparent green leaf is overlaid on the image, partially covering the text. The background shows a line of trees under a bright sky.

Water Quality Best Management Practices for Florida Cow/Calf Operations

**FLORIDA DEPARTMENT OF AGRICULTURE AND
CONSUMER SERVICES**

Office of Agricultural Water Policy



2008 Edition

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FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES COMMISSIONER ADAM H. PUTNAM

COMMENTS BY COMMISSIONER ADAM H. PUTNAM

Dear Agricultural Producers:

This manual, *Water Quality Best Management Practices for Florida Cow/Calf Operations*, reflects the hard work of representatives of the industry; federal, state, and local government; and other stakeholders. In general, agricultural lands maintain valuable water recharge areas and preserve open spaces. The BMPs in this manual address water quality and quantity impacts from production activities and help maintain the environmental advantages of keeping the land in agriculture.

While best management practices have been in place for many years in our state, their role in environmental protection was formally established in 1999 with the passage of the Florida Watershed Restoration Act. This legislation provides the framework for implementing Florida's Total Maximum Daily Load program, which sets water quality targets for impaired waters. It also identifies best management practices implementation as the means for agriculture to help meet those targets.

As Florida's population continues to increase, there are more impacts to and competition for Florida's limited water resources. All Floridians must take part in conserving and protecting these resources. This manual represents the industry's commitment to do just that.

As a native Floridian whose family has long been involved in agriculture, I want to thank all who participated with the Department in the development of this important manual. With the active support and participation of so many dedicated people, I am optimistic about the future of Florida's agricultural industry. I trust that you will join me in supporting this valuable water resource protection effort.

Sincerely,

A handwritten signature in black ink, appearing to read "Adam H. Putnam".

Adam H. Putnam
Commissioner of Agriculture

ACKNOWLEDGEMENTS

A Steering Committee was established in 2007 to update and revise the 1999 cow/calf BMP manual. A technical working group was formed to support the efforts of the Steering Committee, and was charged with developing and reviewing specific BMPs contained in the manual. An effort of this magnitude could not have been accomplished without the tireless dedication of all participants. The following is a list of individuals who participated in the development of this manual. Each of these individuals and their organizations made important contributions to the process, and their work is sincerely appreciated.

Steering Committee

Mike Adams – Adams Ranch
Bill Bartnick – Florida Department of
Agriculture and Consumer
Services
Pete Deal – USDA/Natural Resources
Conservation Service
Wade Grigsby – Private Consultant
Rick Hacht – H & H Liquid Sludge
Disposal, Inc.
Jim Handley – Florida Cattlemen’s
Association
Matt Harrison – Private Rancher
Pat Hogue – University of Florida/IFAS
Clegg Hooks – Florida Department of
Agriculture and Consumer
Services
Flint Johns – Lykes Bros., Inc.
Billy Kempfer – Kempfer Ranch
Jim Lefils – Lefils Cattle Company
Mike Milicevic – Lykes Bros., Inc.
James Payne – Deseret Ranches of Florida
Wes Williamson – Williamson Cattle Co.

Technical Working Group

Brian Boman – University of Florida/IFAS
Benita Whalen – South Florida Water
Management District
Lance Laird – Northwest Florida Water
Management District
Mark Luchte – Southwest Florida Water
Management District
Vince Singleton – St. Johns River Water
Management District
Mike Thomas – Florida Department of
Environmental Protection
Glenn Horvath – Suwannee River Water
Management District

Additional Contributors

Linda Crane – Florida Department of
Agriculture and Consumer
Services
Greg Hendricks – USDA/Natural Resources
Conservation Service
Terry Pride – Florida Department of
Agriculture and Consumer
Services

INTRODUCTION

Opening Notes

Best Management Practices (BMPs) are practices or combinations of practices that, based on research, field-testing, and expert review, are determined to be the most effective and practicable means for improving water quality. BMPs are typically implemented as a **treatment train**. This normally includes a combination of nonstructural and structural practices that are effective in reducing or preventing pollutant discharges. BMPs must be: based on sound science, technically feasible, and economically viable for landowners.

The practices outlined in this manual are intended for use statewide on beef cow/calf operations, and other cattle operations. This manual does not apply to concentrated animal feeding operations, which generally require a permit. The manual can be downloaded at www.floridaagwaterpolicy.com. If ranchers are involved in farming ventures other than cow/calf operations (row crops, sod, and silviculture, they should use the related BMP manuals, which are available at the same website.

Things to keep in mind as you use this manual are:

- Italicized words that appear in **red** are defined in the glossary.
- Specific record keeping requirements are noted using a “pencil mark” icon. 
- Remember to fill out the BMP Manual Registration Form inside the front cover and return it to the Florida Department of Agriculture and Consumer Services in order to receive future updates to this manual.

Overview of the Industry

There are more than 11 million acres of total pasture and rangeland in Florida, of which 5 million acres are improved pasture. Florida’s grazing lands provide significant benefits to society and the environment. Grazing lands release oxygen to the atmosphere, help to significantly cool surrounding surface temperatures, naturally filter pollutants from runoff water, reduce soil erosion, replenish our water supply, and provide aesthetic and recreational values. One thing to remember is that animals do not produce nutrients, but assimilate and distribute them.

Because of the large amount of pasture acreage, improperly managed pasture runoff may adversely affect the quality of our lakes and streams. The

industry remains committed to fostering water resource protection through the implementation of BMPs. This manual, which has been endorsed by the Florida Cattlemen’s Association, has been developed to promote BMPs for beef cow/calf operations in Florida. Although these practices are designed primarily to protect water quality, the implementation of certain BMPs will also have water conservation benefits. In addition, the manual addresses other activities that normally occur in conjunction with beef cattle production. Examples include intermittent row cropping and silviculture.

BMP History and Purpose

The 1972 Federal Clean Water Act (FCWA) required states to assess the impacts of nonpoint sources of pollution on surface and ground waters, and establish programs to minimize these impacts. In 1978, Florida established a Nonpoint Source Management Program, which includes the use of structural and nonstructural BMPs to minimize nonpoint source pollution, through both regulatory and non-regulatory means.

Section 303(d) of the FCWA requires states to identify impaired waters and establish total maximum daily loads (TMDLs) for pollutants entering these waters. TMDLs establish the maximum amount of pollutants that can be discharged to a waterbody and still meet designated uses such as swimming, fishing, or as a potable water source. The 1999 Florida Watershed Restoration Act (FWRA) provided the framework for Florida’s TMDL program. Under the FWRA, once the Florida Department of Environmental Protection (FDEP) establishes a TMDL, the agency may develop and adopt a Basin Management Action Plan (BMAP), which specifies the activities that watershed stakeholders will undertake to reduce point and nonpoint source pollutant loadings. In watersheds with adopted BMAPs and in some other areas, agricultural producers are statutorily required either to implement FDACS-adopted BMPs or conduct water quality monitoring prescribed by FDEP or the water management district.

The FWRA gives the Florida Department of Agriculture and Consumer Services (FDACS) the authority to develop interim measures, BMPs, cost-share incentives, and technical assistance programs to assist agriculture in reducing pollutant loads in TMDL watersheds and other areas. The law also stipulates that the FDEP must verify that these BMPs are effective in reducing pollutant loading to waters.

Many of Florida's ranchers who produce food, fiber, and livestock on approximately 11 million acres will be required to help meet agricultural pollutant load allocations through BMP implementation.

Pursuant to sections 403.067(7)(c), and 570.085, F.S., implementation, in accordance with FDACS rule, of FDEP-verified and FDACS-adopted BMPs gives ranchers the following advantages:

- A presumption of compliance with state water quality standards
- A release from the provisions of s.376.307(5), F.S., for those pollutants addressed by the BMPs
- Assistance with BMP implementation

However, nothing in this manual shall be construed as restricting the authority of the FDEP or the water management districts (WMD) under Chapters 403 and 373, F.S.

Statutory Exemptions for Agricultural Activities

Under subsection 373.406(2), F.S., any person engaged in the occupation of agriculture may alter the topography of any tract of land for purposes consistent with the practice of agriculture. These

activities may not be for the sole or predominant purpose of impounding or obstructing surface waters. Agricultural activities that meet these criteria may qualify for a statutory exemption from an Environmental Resource Permit (ERP).

Pursuant to 373.406(9), F.S., environmental restoration activities on agricultural lands that have minimal or insignificant impacts to water resources may also be exempt from an ERP, upon written request by the producer and written notification from FDEP or the water management district that the proposed activity qualifies for the exemption.

Even if the two exemptions above apply, they do not relieve agricultural producers located within a watershed with an adopted BMAP from either implementing BMPs or conducting monitoring.

Also, persons engaged in the occupation of agriculture have protections under the Florida Right to Farm Act (section 823.14, F.S.). The Act states, with certain exceptions, that no farm which has been in operation for one year or more and was not a nuisance at the time of its established date of operation shall be a public or private nuisance, if the farm operation conforms to generally accepted agricultural and management practices.

BMP ENROLLMENT AND IMPLEMENTATION

This manual contains Level I BMPs that are largely applicable to all ranchers, and Level II and III BMPs that will apply under specific circumstances. The manual includes a self-assessment tool to help ranchers determine which Level II and III BMPs are applicable to their operation. The self-assessment tool also guides ranchers in determining whether they need a formal Conservation Plan, which would be based on conservation practices contained in Section IV of the USDA-NRCS Field Office Technical Guide (FOTG), and would incorporate all the applicable BMPs in this manual.

Level I BMPs

All ranchers must implement the applicable **Level I BMPs** to establish a foundation for environmental protection. Depending on the site-specific conditions or geographical location of the ranch, not all of the Level I BMPs may be applicable to every site.

Advanced-Level BMPs

Ranchers may have to implement additional BMPs, based on their “score” after completing the *Advanced-Level BMP Needs Assessment*. The assessment identifies water quality risk features that require special attention or protection, and also identifies specific groups of BMPs that address these issues. These **Level II and III BMPs** focus on high-intensity areas, livestock use exclusion, address the need for grade stabilization structures for sediment control, and list situations that require comprehensive prescribed grazing management practices.

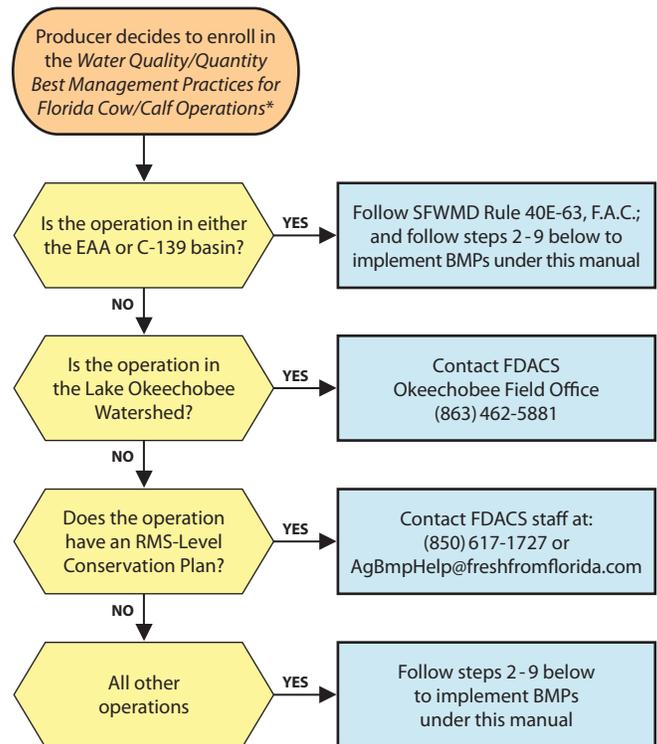
Conservation Plans

Conservation planning is a natural resource problem-solving and management process, with the goal of sustaining natural resources for future generations. A Conservation Plan may be developed for a single operation or for an area that crosses land ownership boundaries. A well-written Conservation Plan addresses landowner goals and objectives, and natural resource concerns. The plan includes strategies to maintain or improve yields, while also protecting soil, water, air, plant, animal, and human resources. Usually, Conservation Plans address all of the major activities on the ranch, but can be developed to target specific challenges. Conservation Plans are particularly well-suited to cow/calf operations and farming operations that produce multiple commodities.

Conservation Plans are developed in accordance with the USDA-NRCS FOTG. Because not all the specific BMPs in this manual may be contained in the FOTG, Conservation Plans must also include the applicable Level I, II, and III BMPs. Assistance in developing a plan can be obtained through the local SWCD, the USDA-NRCS, the Cooperative Extension Service, and private consultants who function as technical service providers. However, the decisions included in the Conservation Plan are the responsibility of the owner or manager of the ranch.

User’s Guide to BMP Enrollment and Implementation

1. **Choose the Pathway Applicable to You:** In the flowchart below, identify the circumstances that best apply to you.



* **Note:** If operation is in an area where a BMAP has been adopted, the producer must implement BMPs for all applicable commodities or monitor water quality. Contact FDACS Field Office for more information.

2. **Consult the manual:** If you are proceeding with enrollment under this manual, begin by reading the following sections: *Introduction*; *Keys to Pollution Prevention*; and *General Information for Environmental Protection on Cow/Calf Operations*

3. **Conduct an inventory:** The selection of BMPs begins with a basic inventory of the farm’s

natural features, which will help you determine how the operation of your farm may affect environmentally sensitive areas. When developing the inventory, sketch your farm/facility, noting buildings, pastures, cowpens, electrical and plumbing lines, and water sources. Identify areas of particular concern that need to be addressed. These include streams, wetlands, springs, sinkholes, and poorly drained ponded areas, to name a few. You can use this list of concerns in selecting which BMPs are applicable to your farm.

To help you conduct your inventory effectively, the following tools are available:

- ✓ Aerial photographs (<http://earth.google.com/index.html>, or other providers)
- ✓ USDA-NRCS soil survey maps (<http://websoilsurvey.nrcs.usda.gov/app/>)
- ✓ USGS topographic maps (<http://www.topozone.com/>)
- ✓ National Wetlands Inventory (<http://www.fws.gov/wetlands/data/index.html>)
- ✓ Historic rainfall records (<http://www.ncdc.noaa.gov/oa/ncdc.html>)
- ✓ Local tax maps from property appraiser (<http://www.propertyappraiser.com/>)

4. **Take the Needs Assessment:** Complete the *Advanced-Level BMP Needs Assessment* that begins on page 23, to determine whether any Level II and III BMPs are applicable to your operation, or whether you need or would like to develop a Conservation Plan.
5. **Select the applicable BMPs:** Read BMP sections 1.0 through 13.0 and select all of the applicable Level I, II, and III BMPs, based on your farm inventory and on the *Advanced-Level BMP Needs Assessment*. Record the BMPs on the checklist in Appendix 11 of this manual, as described in step 6 below.
6. **File a Notice of Intent to Implement (NOI) BMPs:** Complete and submit to FDACS an NOI, contained in Appendix 11 of this manual. The NOI includes a checklist on which you must identify all the BMPs in the manual that are applicable to your operation and are technologically and economically feasible for you to implement. The checklist includes a column for you to schedule BMP implementation. If you have a Conservation Plan, there is space provided at the end of the checklist for you to list any additional BMPs not covered in the checklist. You must submit a

copy of the Conservation Plan with the NOI and checklist. Once received by FDACS, the Notice of Intent formally enrolls your operation under the BMP program. Implementation of the BMPs according to the NOI schedule provides a presumption of compliance with state water quality standards for the pollutants the BMPs address. Implementation includes ongoing record keeping and maintenance of the BMPs

7. **Implement the BMPs:** Implement all applicable Level I BMPs as soon as practicable, but no later than 18 months after submittal of the Notice of Intent to Implement. If you need additional time to implement the following Level I BMPs, you must justify the time needed in the space provided at the end of the checklist: **2.2 Upland Pond Construction Criteria**; **2.3 Other Watering Sources**; **5.3 Installation of Water Control Structures**; **6.3 Riparian Buffers**. Implement all other BMPs according to the schedule (month/year) you have indicated on the BMP checklist.
8. **Request on-farm technical assistance, as needed:** FDACS, UF-IFAS BMP Implementation Teams, Soil and Water Conservation Districts (SWCD), USDA-NRCS and/or UF-IFAS Extension staff are available to assist ranchers with the mechanics of BMP identification and selection. Contact information for these entities is in Appendix 3 of this manual.
9. **Keep records on BMP implementation:** FDACS rule requires record keeping to document BMP implementation. Fertilizer applications and rainfall amounts are two types of record keeping. Other record-keeping requirements in the manual are highlighted using this figure: . All BMP records should be accurate, clear, and well-organized. You may develop your own record-keeping form or use the one provided in Appendix 8. You must retain the records for at least 5 years. However, it is desirable to retain records for as long as possible, to address any potential future legal issues. All documentation is subject to inspection.

It is advisable to consolidate your inventory and all your BMP decision-making, including the BMP Checklist, into a simple implementation plan. This plan will serve as a record of scheduled and completed BMPs, including operation and maintenance activities. A well thought-out, written plan enables managers and owners to schedule their activities and accomplish their objectives.

BMP Implementation Follow-Up

FDACS is developing a BMP “implementation assurance” program to help ensure that BMPs are being properly implemented, operated, and maintained. On a staggered schedule by commodity, FDACS will mail surveys to all BMP program participants, and will conduct site visits on selected operations. The benefits of this effort include:

- Demonstrating the level of producer participation in implementing BMPs.
- Identifying needs for additional education and implementation assistance for producers.
- Reinforcing to producers the importance of BMP implementation.
- Evaluating the effectiveness of FDACS BMP programs.
- Updating FDACS NOI records.

KEYS TO POLLUTION PREVENTION

Over the years, the “common-sense” recommendations summarized below have been embraced by many cattle operations in order to help prevent pollution problems. However, these descriptions are provided as an overview, and the formal BMPs appear later in this manual.



Maintain adequate vegetative cover

Vegetative cover helps to filter pollutants from runoff, reduces runoff velocity, and controls soil erosion. Management practices that help maintain vegetative cover usually involve distributing cattle to prevent overgrazing and allow vegetation to recover following a grazing period.

- Use prescribed grazing systems to minimize the impact of grazing on water quality.
- Adjust the stocking rate in sensitive **watersheds**.



Carefully plan your watering and feeding sites

Most nonpoint source pollution problems occur in the vicinity of watering, supplemental feeding, or loafing areas where animals tend to congregate most often. This concentration of livestock can denude vegetation and affect soil conditions so that erosion is more likely and water percolation is diminished.

- Place **supplemental feeding** and mineral stations a reasonable distance away (approximately 100 feet) from streams, drainage canals, lakes, **wetlands**, wells, and sinkholes.
- Develop alternative water sources to attract animals away from streams, drainage canals, and lakes as much as possible.
- Plan your shading facilities to keep cattle away from streams, drainage canals, and lakes as much as possible. Leaving or planting small, scattered clusters of trees in upland areas of pastures can provide shade structures.
- When feasible, move feeding stations, alternative water supplies, or shade structures periodically to prevent areas of concentrated waste accumulation and denuded vegetation.



Carefully plan your temporary holding areas

Concentrated animal areas such as **cowpens** and other temporary holding areas have the potential to produce large pollutant loads.

- Locate new cowpens more than 200 feet away from a canal, stream, or lake, or include a berm to prevent runoff into the **watercourse**.
- For existing concentrated animal areas that are located near a watercourse and can't be relocated, use filter strips, grassed waterways, berms/diversions, or waste management systems to minimize the transport of pollutants.



Use structural techniques to abate pollution

Sometimes it may be impossible to locate supplemental feeding or shade facilities outside of sensitive water quality areas. In such cases, other techniques can be used to help keep sediment, nutrients, and organic matter out of the water.

- When feasible, re-establish natural flow patterns, plug drainage canals, and restore water through internal marshes, cypress ponds, or other natural wetlands that can assimilate nutrients. The plugging of canals and/or some diversion of natural surface flows may require permits under Chapter 373, F.S. Contact your water management district prior to making structural modifications and/or changes. In addition, if you are a USDA program participant, contact them before conducting any clearing, land leveling, excavation, ditches, or similar activity, to ensure that you retain your eligibility for USDA program benefits.
- Use practices such as grassed waterways, filter strips, diversions, sediment traps, swales, and retention and detention ponds.



Minimize offsite discharge

Pollutants are carried offsite by water. By reducing the amount of water leaving your property, you can reduce the offsite water quality impacts.

- Carefully control seepage irrigation to minimize tailwater.
- Use **water control structures**, such as a flashboard riser on culverts, to retard water flow.
- Heavy vegetative cover in ditches should be mechanically removed instead of using herbicides, due to high nutrient releases when the vegetation decomposes.
- When cleaning ditches:

- Pile vegetation and sediment away from the ditch so nutrients don't wash back into the water.
- Use turbidity screens in the water at discharge points so turbid water does not leave your property.
- Plug unnecessary drainage conveyances.
- Use grassed waterways and vegetated areas to clean water before discharging offsite.
- Use man-made ponds or other watering facilities in upland areas to reduce cattle use of natural wetland systems.

Manage nutrients carefully

You can minimize pollutants leaving your property by carefully controlling imported materials that you use and apply on your ranch. Pollutants can come from fertilizers, sludge application, pesticides, chemicals, and fuels. If these materials are properly stored, applied, and disposed of, there is less chance they will be carried offsite in runoff.

- As appropriate, use soil and plant tissue tests to determine fertilization rates.
- Follow University of Florida, Institute of Food and Agricultural Sciences (UF-IFAS) fertilizer recommendations.
- Apply biosolids at agronomic rates, consistent with your FDEP Agricultural Use Plan.
- Do not apply fertilizer, organic fertilizer, or biosolids directly to wetlands or watercourses, or prior to forecasted heavy rainfall.
- Grass clippings from "sod mowing" should be stored away from wetlands and other watercourses.

Waste reduction strategies

You can also minimize pollutants leaving your property by carefully controlling pesticides, chemicals, and fuels. If these materials are properly stored, applied, and disposed of, there is less chance they will be carried offsite in runoff.

- Use pesticides in accordance with the label.
- Use cleaning agents and other chemicals carefully.
- Keep petroleum storage tanks in good working order.
- In the event of a spill, have a spill response plan.

Minimize the potential for erosion

Cows aren't the only ones contributing to soil erosion. Human activities, such as land clearing, culvert installation, road building, ditch and canal maintenance, pasture renovation activities, and production of certain short-term crops (watermelons, sod) can lead to erosion that can increase pollutant loading.

- When land is cleared, quickly plant a vegetative cover.
- Leave vegetated buffer strips during land clearing along drain areas, wetlands, and watercourses.
- During construction, follow erosion and sedimentation control practices.
- Minimize the number of vehicle crossings through streams and canals. If stream crossing cannot be avoided, locate the crossing in the area of least impact, considering habitat, soil types, slopes, streambed characteristics, and bank stability.
- Use stabilized culverts or hard surface crossings. Hard surface crossings can be concrete or geotextile fabric with rock on top.
- Don't mow canal banks too closely; leave enough leaf area to maintain a healthy vegetative cover.

Develop a ranch Conservation Plan

Results of the Advanced-Level BMP Needs Assessment may indicate that you need to develop a ranch Conservation Plan; however you may wish to do so in any case. Such a plan, developed with help through USDA-NRCS or other technical service providers, can help guide management decisions for improved water quality.

Employee training

Employees whose job duties relate to BMPs should be properly trained prior to implementing the BMPs. Training sessions should be documented in the Employee Training Log in Appendix 9 of this manual.

- Provide annual training on BMPs and record keeping to appropriate employees.
- Keep records to document training activities.
- Review the Conservation Plan with employees, so its goals and priorities are clear.

General Information for Environmental Protection on Cow/Calf Operations

SPECIFIC WATER QUALITY IMPACTS ASSOCIATED WITH RANCHING

Waste from animals grazing on native pastures generally does not increase the nutrient levels in an area, as long as sufficient space is provided for each animal. However, intense grazing on improved pastures with the addition of supplemental feed can increase the risk of dissolved nutrients entering surface waters. This can elevate nutrient levels and disrupt the natural balance, adversely affecting water quality and aquatic flora and fauna. This section discusses some of the typical water quality impacts associated with ranching.

Pollutants and Pollutant Sources

Nutrients

Excess nitrogen and phosphorus are the most common sources of water quality impairments in Florida. These nutrients usually enter waterbodies through stormwater runoff. However, they can be introduced directly into the water from animal waste if livestock are allowed to loaf in wetlands or waterbodies. High levels of nutrients in surface waters result in abnormal plant growth, or **eutrophication**. The nitrogen form most abundant in natural waters is nitrate. Due to its high mobility, nitrate can also leach into groundwater. Ammonia is an inorganic source of nitrogen and originates primarily from urine. Phosphorus is one of the key elements necessary for growth of plants and animals. In terms of freshwater lake ecology, it tends to be the (growth) limiting nutrient. Unlike nitrogen, phosphorus is generally retained in the soil by a complex system of biological uptake, absorption, and mineralization. Phosphorus enters waterbodies as particulate matter via sediment transport, or can be dissolved in water.

Sedimentation

Sedimentation occurs when eroded soils are washed into surface waters, creating a buildup of solids on the bottom and suspended solids in the water column. Sedimentation most commonly associated with cattle grazing comes from the erosion of denuded areas and streambanks. Suspended solids from sediments reduce the amount of sunlight available to aquatic plants, cover fish spawning areas and food supplies, clog and harm the gills of fish, and can adversely affect shellfish. These effects combine to reduce fish, shellfish and plant populations, and decrease the overall productivity of lakes, streams, estuaries, and coastal

waters. Recreation may also be limited because of decreased fish populations and reduced desirability of downstream swimming areas. Deposited sediment also reduces the flow capacity of roadside ditches, streams, rivers, and navigation channels, which can result in more frequent maintenance dredging or flooding. Chemicals, such as some pesticides, phosphorus, and ammonium, may be transported in sediment. Over time, the aquatic environment can cause these chemicals to be released from the sediment into the water column.

Fecal Coliforms

Fecal coliforms are bacteria that can cause disease, and are another source of water quality impairment. While high numbers do not result in eutrophic conditions, they can pose a health hazard to animals and humans. Furthermore, the decomposition of fecal and other organic matter in water can lead to increased biological oxygen demand and lower dissolved oxygen levels. Health impacts to humans and livestock include dysentery, gastrointestinal infections, ear infections, and skin infections, especially in open wounds. Fecal coliforms are an indication of recent contamination, since they have a relatively short survival period in water. The risk of fecal coliform contamination by animals that are allowed direct access to a waterbody is higher, although runoff from high-intensity areas may compound the problem. Spreading uncomposted manure, residuals, or septage as fertilizer may also lead to increased fecal coliform numbers in nearby waterbodies. The likelihood of pollution is increased if these materials are applied in excess of agronomic rates or when wet weather conditions prevail.

Water Quality Degradation Indicators

Algae

Algae are essential to aquatic systems. As a vital part of the food chain, algae provide the nutrition necessary to support all aquatic animal life. Certain types of algae also provide habitat for aquatic organisms. Blue-green algae (which are actually a photosynthetic bacteria known as cyanobacteria) are usually found in freshwater systems, most commonly in calm, warm waters with high levels of nutrients. While cyanobacteria are naturally present in low numbers, increased algal production can cause many problems in a waterbody.

Cyanobacteria can become so abundant that they will cause a scum layer to form on the surface, shading the sunlight-dependent life below and disturbing the food chain. Cyanobacteria produce a small amount of toxin, which is generally harmless to animals and humans when algal populations are under control; however, livestock and pet deaths have been attributed to consumption of water with an abundance of cyanobacteria. The toxin is known to cause liver and nervous system effects in humans as well. Cyanobacteria toxin cannot be eradicated by boiling or ultraviolet irradiation, so untreated surface water (any water not obtained through a public water system) with increased cyanobacteria poses a risk. Potential risks from recreational contact include skin, respiratory, and mucous membrane irritation. Other algal blooms can significantly alter the natural balance of the flora and fauna by causing a waterbody to become anaerobic. This results in a failing or impaired ecosystem. Certain types of noxious weeds or a monoculture of one or two species of plants can indicate an imbalance of nutrients in a waterbody, which can also lead to further problems in the ecosystem.

Dissolved Oxygen

Water systems both produce and consume oxygen. Oxygen is obtained from the atmosphere and from plants through photosynthesis. The presence of algal blooms, noxious weeds, and too many floating aquatic plants can reduce the amount of oxygen available in a waterbody by blocking sunlight necessary for photosynthesis to occur. Respiration by aquatic animals, decomposition of organic material, and various natural chemical reactions consume oxygen. The amount of oxygen consumed by microorganisms in breaking down manure and other wastes is known as the biochemical oxygen demand or BOD. If BOD exceeds the amount of dissolved oxygen in a waterbody, widespread fish kills can occur. If dissolved oxygen levels are already lower due to algal blooms or other flora, the likelihood of a fish kill increases.

Turbidity

Turbid water as a result of excessive sedimentation is another water quality degradation indicator. Great care must be used to prevent livestock-induced erosion of stream banks and the loss of sediments to waterbodies. Soil and sediment can fill in water bodies, clog waterways and affect water clarity. Suspended sediment can have numerous effects on fish; decreased penetration of sunlight can affect the feeding and breeding behaviors of fish, and the sediments themselves can clog gills and cause irritation to the mucous membranes covering the eyes and scales. As the sediment settles, fish eggs are susceptible to suffocation due to burial. Nutrients and toxins can also attach to sediments, which can contribute to downstream eutrophication and pollution.

Strategy to Minimize Water Quality Impacts

Using BMPs to achieve water quality protection while maintaining, or even improving, agricultural productivity is not a new process. However, doing this most effectively requires a business model that includes the following steps:

- Evaluate the existing situation
- Plan what to do, incorporating the applicable BMPs in this manual*
- Implement the plan
- Check to make sure everything is working correctly, and if not
- Go back to the first bullet

As a critical part of this process, ranch operators should conduct an inventory of the farm's natural resource features, as noted in the *BMP Selection and Implementation* chapter. The outcome of this exercise will be a plan – remember to keep it available and update it regularly. The plan will also help you communicate with your employees and your county agent, USDA-NRCS staff, or others.

- * Many of the BMPs in this manual will address more than one environmental issue. Therefore, by implementing the BMPs, you usually solve more than one problem.

NUTRIENT MANAGEMENT ON RANCHES

The sections below describe managing plant nutrients to achieve optimum forage yields while minimizing the movement of nutrients to surface and ground water. Nutrient management considers the amount, source, form, placement, and timing of nutrient applications. All sources of plant nutrients, such as organic and inorganic fertilizers and nutrient reserves within the soil, must be considered when developing a nutrient management program for a field or a ranch.

Source Reduction

Perhaps the first thing to remember when developing plans for nutrient management on grazing land is that animals do not produce nutrients. Animals consume, excrete, move, and retain nutrients. However, they are not the source of the nutrients. All of the nutrients excreted by grazing animals on Florida's ranches come from natural or human sources.

Natural nutrient sources generally include soil mineralization, atmospheric deposition, and nitrogen cycle processes. If the field is not fertilized and no supplemental feeds are given, the cattle will be totally dependent upon naturally occurring sources of nutrients. Fertilizer, supplemental feed, and irrigation water are the major sources of human-imported nutrients. The kind and amount of nutrients imported into a particular field will depend upon feed and pasture management. Nutrients imported into fields can be controlled to a great degree through management decisions.

Although grazing animals do not produce nutrients, they do affect nutrient distribution. Research indicates that grazing animals excrete nutrients in proportion to the amount of time they spend in an area. Research also shows that grazing cattle will spend their day doing three tasks: eating, sleeping, and loafing. When forage is available, cattle spend about eight hours each day on each of these tasks. However, if forage is limited, they may spend as much as ten hours per day grazing. Because cattle in Florida typically loaf and sleep in areas other than those in which they graze, they will transfer nutrients from the grazed area to the loafing and sleeping areas. If the sleeping or loafing area is in or near an environmentally sensitive area, the transfer of nutrients can cause or contribute to water quality problems.

There are four simple steps that can be taken to

improve nutrient management and minimize the potential for water quality problems:

- The best method to prevent nutrient contamination of ground or surface water is to reduce the amount of nutrients imported onto a ranch. Therefore, the reduction of feed brought onto the ranch can play a big part in managing nutrients. If supplemental feed is needed, it is best to use feed in areas away from wetlands and other watercourses. This will reduce the potential for manure or unused feed to be washed into surface waters.
- Reduce fertilizer applications in areas where grazing animals congregate. The soil in these areas often contains adequate nutrients for plant growth, so fertilizer applications are unnecessary.
- Avoid applying fertilizer within 50 feet of wetlands and streams. This will reduce the potential for nutrients to be transported offsite during heavy rainfall.
- In order to reduce the potential for nutrients to be transported offsite, do not apply fertilizer to pasture swales and v-ditches that have standing water.
- Ensure that the pH is in the proper range for nutrient uptake by the plants because the acid nature of much of Florida's soils prevents optimum forage growth and limits the effectiveness of the fertilizer.

Nutrient Budget

A nutrient budget should be developed that considers all nutrient sources (soil residual, crop residues, organic and inorganic fertilizer, and irrigation water) and compares them to the forage crop nutrient requirements. Use the Nutrient Budget Worksheet in Appendix 5 to determine whether additional plant nutrients are needed. In general, ranchers can use a combination of soil and tissue testing, and UF-IFAS recommendations, to guide fertilization decisions. The UF-IFAS fertilizer recommendations for forage crops can be found in Fact Sheet SL-129, *Standardized Fertilization Recommendations for Agronomic Crops*, which can be found online at <http://edis.ifas.ufl.edu/SS163>

Ranchers should consult SL-129 before applying supplemental nutrients. On established bahiagrass pastures, nitrogen should be applied based on the intensity of grazing. Other perennial grasses may need nitrogen in late winter and at other times

throughout the year. Application rates should be based on UF-IFAS recommendations, with an emphasis on phosphorus (P) using three criteria: soil pH levels; available P content as determined by soil test results; and plant tissue testing results.

The nutrient analysis of non-farm organic fertilizer (e.g. municipal sewage sludge) can be obtained from the sludge hauler or waste treatment plant. The nutrient analysis of other organic materials, such as poultry litter and dairy wastes, may be obtained from labs.

Timing of Nutrient Application

To avoid nutrient losses through runoff, apply fertilizers during times when soils are not saturated. When irrigating, refer to the water budget provided by USDA-NRCS for your county to determine the times for the lowest potential for nutrient loss from rainfall. Timing of nutrient applications should coincide as closely as possible with periods of plant growth and nutrient uptake. Remember to maintain proper soil pH, to optimize utilization of applied nutrients and prevent toxic effects from other accumulated elements, such as copper. The pH recommendations are listed by crop in SL-129, and generally range from 5.5 to 6.5.

Preventing Nutrient Movement Offsite

Ranchers should practice erosion control to minimize soil loss and runoff that can carry dissolved and attached (particulate) nutrients to surface waters. Filter strips and other conservation buffers along streams are very effective in reducing the levels of suspended solids and some nutrients. Also, avoid spreading fertilizers in or near ditches and canals. Strategically locate fertilizer loading sites away from watercourses, where spills can contaminate the water.

Manure Management

Manure management for cow/calf operations is a concern due to the possible release of coliform bacteria, phosphorous, or nitrogen to ground and surface waters through seepage and runoff. Ground water may become contaminated by leaching of nitrate or dissolved phosphorus. Phosphorus and nitrogen (N) can be transported in runoff to surface waters in dissolved form, or they may be attached to sediment particles. Both N and P can contribute to the eutrophication of waterbodies.

Common-sense manure management involves simple techniques such as managing manure in concentrated areas, dragging pastures, and excluding cattle from waterbodies near critical discharge points adjacent to waters of the state. These BMPs are addressed later in this manual.

FORAGE PRODUCTION

The sections below describe forage resources, pasture, and grazing management to aid in the overall management of forage production for cow/calf operations in Florida. A productive forage stand is imperative to the success of a cow/calf operation and the protection of water quality. Well-established and managed forage stands effectively reduce soil erosion, absorb nutrients, and provide essential nutrition for livestock.

Forage Resources

In Florida, selection of forage species depends primarily on three major factors: temperature, soil moisture, and soil fertility. The differences in climate, soils, and length of growing season affect not only the types of forage that can be grown, but also affect the overall management system as well. Florida's relatively mild climate, coupled with an average 50 inches of annual rainfall, allows most South Florida ranchers year-round grazing opportunities. However, in most years, some supplemental feed or forage is required statewide during the winter months or dry spring months.

Florida forages are selected primarily based on temperature, due to the wide-ranging climate. South Florida has a climate similar to subtropical regions, while North Florida has subtropical summers but temperate winters. Warm season perennial grasses are the basis for permanent pastures in Florida. Possible perennial grass choices include bahiagrasses and improved hybrid bermudagrasses for North Florida; bahiagrasses, improved hybrid bermudagrasses, and limpograsses for Central Florida; and bahiagrasses, stargrasses, improved hybrid bermudagrasses, limpograce, and rhodesgrass in South Florida.

The table below lists general guidelines for rotational stocking of selected forages:

Forage	Average Height (inches)	
	Begin Grazing	End Grazing
Bahiagrass	6	1-2
Bermudagrass	6	2-4
Bluestem	10-20	8-12
Clovers	6	3
Indiangrass	14	6-10
Limpograce	24	10
Maidencane	24	10

Pearl Millet	14	6
Rhodesgrass	18	8
Ryegrass, annual	6	3-4
Stargrass	12-18	6-8
Small Grains (oats, wheat, rye)	6	4
Switchgrass	18-22	8-12

Ranchers may also want to consider annual species as possible forage alternatives, depending on their objectives. Annual species provide grazing for temporary pastures. Certain annual grasses are used throughout the state in both cool and warm seasons. Rye, oats, wheat, and ryegrass can all be used for winter grazing, while pearl millet and sorghum X sudangrass hybrids can provide summer grazing. Additionally, annual species may be used as a transition crop when renovating pasture.

Florida also has considerable variability in soils. In North Florida, there are clay-loam soils that are quite productive and have good moisture-holding capacity. In peninsular Florida, there are the upland sandy ridges and adjacent flatwoods. In general, flatwoods soils have greater moisture-holding capacity and are more productive than the deep, well-drained sands characteristic of the ridge. Ranchers should identify the intended planting sites' soil characteristics and select forage species compatible with those characteristics.

For more information, see *Florida Forage Handbook* at <http://edis.ifas.ufl.edu/AG170> or the *Florida Crop/Pest Management Profile: Beef Cattle* at: <http://edis.ifas.ufl.edu/PI043>.

Pasture Management

Establishment of new forage is an expensive process that requires detailed planning. The planning process should consider resource concerns such as soil erosion, as well as the increase in management costs to maintain soil fertility and prevent impacts to water quality. A rancher can establish pasture on new ground, following a row crop, or by renovation and replanting of old pasture to new species. Switching from one forage type to a new one can require a renovation program using annual cultivated crops for one to two years before planting new forage. For more information on pasture establishment, see *Florida Cow/Calf Management: Forages* at: <http://edis.ifas.ufl.edu/AN118>.

Once a pasture has been established, ranchers should manage soil fertility, weed control, insect control, and grazing schedules. Proper management will assist ranchers in maintaining a strong stand of forages regardless of the forage variety or grazing system. Pastures with poor forage stands are more susceptible to erosion, livestock damage, or weed invasion. A thick, healthy pasture is aesthetically pleasing, allows livestock to efficiently graze the forage, and enhances water quality.

Grazing Land Management

Cattle have different nutritional requirements, depending upon the class of animal and general age of the herd. Nutritional considerations include the age and sex of the animal, desired weaning weight, production potential, and the stage of pregnancy. High-quality forage should be available at peak lactation and before breeding season. Production goals must be balanced alongside forage growth to achieve optimum nutrient value from the pasture. Nutritional value is also dependent on maintaining a variety of forages to increase the potential for year round grazing. The intensity and frequency of grazing affects the competition between plant species and affects the diversity of forage plants, forage quality, and the longevity of a forage stand. Desirable forage species can be replaced by weeds or shrubby plants because of poor grazing management, particularly in fenced exclusion areas. To counter these effects, a prescribed grazing system should be implemented to maintain the desired forages and enhance productivity.

An effective grazing-management system ensures that forage use does not exceed the production limitations of the forage. Prescribed grazing systems are used to accomplish this goal and may be used to control the forage, the animals, or both. Successful implementation of any grazing system requires periodic monitoring and adjustments of grazing periods to ensure that goals are met. Grazing systems range from **continuous grazing** to **rotational grazing**.

Continuous grazing is the unrestricted access to a pasture by livestock throughout a year or grazing season. Continuous grazing has advantages such as lower input costs and fewer management decisions. However, over time, improper continuous grazing can be a detriment to all forage resources (tame/improved or native) and can lead to natural resource concerns such as soil erosion, degraded water quality, loss of forage stands, and/or increased weed competition.

Rotational grazing systems are fundamental in managing forage production. Rotational grazing is the grazing of two or more subdivisions of pasture in sequence, followed by a rest period for recovery and re-growth. Rotational grazing has advantages such as improved pasture longevity, more timely utilization of forage, conservation of surplus forage, and increased stocking rates. One particularly useful type of rotational grazing is **flash-grazing**. A well-designed and properly managed flash-grazing system can be an effective tool for controlling woody and noxious plants, decreasing fuel buildups and facilitating nutrient uptake in exclusion areas along watercourse banks or around wetlands.

PEST MANAGEMENT AND PHARMACEUTICALS

The sections below address more common issues associated with pesticides. It is important to note that pesticide application events should target designated pest species, follow the label recommendations, and use only the amount necessary to protect forage and livestock. Where feasible, pesticide application may be eliminated completely if adequate biological controls are available.

Integrated Pest Management

Integrated pest management (IPM) is a method of combining proper plant selection, correct cultural practices, the monitoring of pest and environmental conditions, the use of biological controls, and the judicious use of pesticides to manage pest problems. The goal of IPM is to eliminate or largely reduce the amount of pesticide use through beneficial parasites, predators, and pest-resistant plant varieties. Under Florida law (Chapter 482, F.S.), IPM is defined as the following: *...the selection, integration, and implementation of multiple pest control techniques based on predictable economic, ecological, and sociological consequences, making maximum use of naturally occurring pest controls, such as weather, disease agents, and parasitoids, using various biological, physical, chemical, and habitat modification methods of control, and using artificial controls only as required to keep particular pests from surpassing intolerable population levels predetermined from an accurate assessment of the pest damage potential and the ecological, sociological, and economic cost of other control measures.*

The basic steps of an IPM program are as follows:

- Identify key pests.
- Determine each pest's life cycle, and know which life stage to target (for an insect pest, whether it is an egg, larva/nymph, pupa, or adult).
- Use cultural, mechanical, or physical methods to prevent problems from occurring; reduce pest habitat; or promote biological control.
- Decide which pest management practice is appropriate, and carry out corrective actions. Direct the control where the pest lives or feeds. Use properly timed preventive chemical applications only when they are likely to control the target pest effectively, while minimizing the economic and environmental costs.
- Determine whether the corrective actions actually reduced or prevented pest populations, were

economical, and minimized risks. Record and use this information when making similar decisions in the future.

Pesticide Selection

Pesticides in cow/calf operations should be used only when necessary. Along with problems resulting from normal pesticide use, wastes can be produced from spills at mixing areas, in the field, or from the washing of application equipment.

Pesticide recommendations change frequently. Registrations may be canceled or added at any time. Recommended rates or products that were valid at the start of the growing season may change. Check with your local extension agent for the most recent recommendations, or access the UF-IFAS computer-based Electronic Data Information Source (EDIS) at: <http://edis.ifas.ufl.edu/>. Base pesticide selection on characteristics such as solubility, toxicity, degradation, and adsorption, considering site-specific characteristics such as soil, geology, depth to water table, proximity to surface water, topography, and climate, so that the potential for pollution of surface and ground water is minimized. Consider whether the proposed pesticide application will have an effect on any beneficial organism(s) that may be present. If so, consider using pesticides that have the least effect on beneficial organisms, as this may allow longer periods between treatments or eliminate the need for re-treatment.

Pesticide Calibration

Waste reduction starts with applying the precise amount of pesticide to targeted pests. To do this, pesticide application equipment must be properly calibrated. Applying too low a rate may be ineffective and promote resistance. Applying too high a rate may harm the forage or the animals, in addition to costing more money for materials. Application rates must be in accordance with the label in order to prevent contamination to the environment. Controlling application rates and calibrating pesticide equipment reduces the potential for pollutant loading to ground and surface waters.

Calibrating should be done with clean water and take place away from wells, sinkholes, or waterbodies. Remember also to calibrate sprayers every time a nozzle is replaced, and to compensate periodically for wear in pumps, nozzles, and metering systems. Proper calibration of equipment will aid in making applications more efficient and save money

on chemical and labor costs.

Application rates are related to the formulation of the pesticide and to the type of equipment used. Pesticides can be applied with hydraulic, tractor-mounted, pull-type, pick-up mounted, or self-propelled sprayers, or spot applied by backpack or hand-spraying. It is important to follow the manufacturer's recommendations to determine the correct application rate.

Pesticide Mixing and Application

If applying restricted-use pesticides, the applicator must be fully trained and licensed in accordance with Chapter 5E-9.024, Florida Administrative Code, or must hire someone who is appropriately certified. Applicators must read and follow all label directions and the directions on the Material Safety Data Sheets.

Avoid mixing pesticides and loading or rinsing sprayers immediately adjacent to wells or waterbodies, since spills in these areas can easily contaminate water supplies. If the ranch does not have a permanent or temporary mixing and loading facility, use nurse tanks and mix at random sites to prevent a buildup of contamination. If this is not possible, run a long hose (100-200 feet) away and preferably downhill from the supply well to the mix-and-load area and protect the soil from accidental spills. Install anti-siphon devices or ensure that there is an air gap between the hose and the tank when sprayers are filled.

Other pesticide application strategies include:

- Using erosion control practices that minimize soil loss and runoff, thereby reducing the movement of **adsorbed** pesticides to surface waters.
- Minimizing field applications of pesticides just prior to periods of anticipated heavy or sustained rainfall to prevent surface water contamination or accelerated leaching to ground water and ineffective control of target organisms.
- Using IPM practices, including cultural, mechanical, biological, and chemical methods.
- Evaluating the effects of the seasonal water budget on potential pesticide loss to surface or ground water and selecting an application method that reduces the potential for runoff or leaching.

Other Important Pesticide Information

There are many other important issues that involve pesticide use. For additional information, refer to *Best Management Practices for Agrichemicals and Farm Equipment Maintenance* which can be accessed online at: <http://www.floridaagwaterpolicy.com/BestManagementPractices.html>

Pharmaceuticals

The use and misuse of pharmaceuticals, such as antibiotics and hormones, can have a negative impact on water quality. A recent study found sulfathiazole in a high percentage of samples downstream of cattle and swine sites; however, these were concentrated animal operations and not pasture-based operations. This is an emerging issue of national importance as sampling has revealed detectable amounts of antibiotics, hormones, sterols and other substances in surface waters from various sources. Because of this, it is very important to use these products responsibly. Follow all state and federal regulations and properly dispose of spent needles, expired or unused pharmaceuticals, and pharmaceutical containers.

Proper disposal of spent needles, referred to as "sharps," is regulated by EPA. These regulations require that needles are disposed of in a biomedical container designed for collection of sharps. Spent needles should be collected in these containers to avoid accidental needle sticks of farm workers or animals. Local veterinary offices should be able to provide these containers. Many county solid waste departments will take the sharps containers and properly dispose of them for a small fee, and some counties provide this service for free. Contact the local solid waste office for more information. Operators should check with their county extension office in the event that local ordinances may apply.

The proper disposal of unused pharmaceuticals is necessary for environmental, livestock, and human health. Expired medications can often be returned to the supplier/manufacturer or some veterinary offices. Check with your local municipality to see if they will accept pharmaceuticals during household hazardous waste disposal events.

RANCH WASTE MANAGEMENT

Ranch waste management includes the proper storage and disposal of products and by-products from cow/calf operations. These products generally include pesticide, petroleum, and other synthetic materials. Source control, including careful monitoring of all imported materials, helps to minimize pollutants in the waste stream. Waste management is very important because it reduces wastes, lowers the risk of an accidental discharge of pollutants, and saves money. This section is an introduction to managing a typical ranch waste stream.

Pesticide Waste

Reduce pesticide waste by minimizing the generation of wastewater from cleaning application equipment after use. Rinsing the sprayer is necessary only when changing from one pesticide to another, when moving to a new application site and the pesticide last used in the sprayer is not registered for the new site, or when cleaning the sprayer for storage. This practice will reduce the amount of **rinsate**.

Rinsate can be collected and used in accordance with the label during the next application. Rinsate should be sprayed on fields where the pesticide was originally applied, as long as the maximum application rate for that pesticide is not exceeded. Another option is to store the rinsate and use it to dilute the same pesticide for the next application. Do not dump rinsate on the ground or discharge it to surface waters or septic systems.

Pesticide spills should be cleaned up immediately following an incident. Barriers and absorbent materials are generally used to contain spills. Soil affected by a spill should be collected and stored in a special container, and reused at or below label rates during subsequent applications. Spill clean-up equipment and trained emergency responders should be readily available to handle spill incidents. The quick containment and clean-up of pesticide spills will minimize impacts to the environment and reduce liability should the land be sold.

Synthetic Products Waste

Most of the waste reduction principles described above can be applied when using other synthetic materials, which can include solvents, degreasers, lubricants, paints, and antifreeze. Unnecessary use of synthetic chemicals can result in pollution of the surrounding environment. These products should

never be directly poured onto concrete surfaces or soil. Select solvents and degreasers that are non-hazardous to the environment. Compressed air is often a viable alternative to using solvents for cleaning farm equipment.

Most solvents can be reused many times without losing their cleaning properties. If the operation has a shop, consider using a water-based (solvent) reuse system. Used petroleum-based products must be stored in properly marked containers to be recycled or disposed of properly. Properly recycle all waste oil and antifreeze, and let all empty paint cans air dry before disposal.

Keep an inventory of all solvents used and have the Material Safety Data Sheets available nearby should an emergency arise. Remember to **reduce**, **reuse**, and **recycle** all products, as appropriate. This is your best defense against accidentally generating a hazardous waste stream on your ranch.

Gasoline and Diesel Fuel Waste

Ranch waste management must also include the proper management of all petroleum products located onsite, to ensure that ground or surface water is not contaminated. These products typically include unleaded fuel, diesel, motor oil, and heating oil. Very small amounts of these compounds in drinking water may not produce noticeable tastes or smells, but can have serious human health effects. This is why it is important to properly store, contain, and dispense these products.

Proper design and management of fuel-dispensing areas is essential to prevent soil and water contamination. Fuel-dispensing tanks and pumps should be located as far as possible from surface water and drinking water wells. Petroleum storage tanks installed above ground are regulated by FDEP (Rule 62-762, F.A.C.), and must be on an impervious pad with secondary containment to contain accidental spills or leaks. These facilities should be roofed to keep out rainfall and reduce stormwater runoff. All structures over fuel tanks should be designed to meet local building and fire codes. Build the containment structure so that it is tall rather than wide, in order to reduce rainfall accumulation. Never discharge water from the containment area without first checking for and treating an oil sheen.

Underground petroleum storage tanks are also regulated by FDEP (Rule 62-761, F.A.C.), and must have leak-detection and monitoring devices, cor-

rosion protection, and spill or over-fill prevention devices. These devices will limit the contamination of soil and ground water. Above or underground fuel storage tanks may be subject to a Spill Prevention Control and Countermeasure Plan or an alternative plan that specifies the measures that will be taken to mitigate spills.

Used motor oil and oil filters can be disposed of legally by recycling them. Local auto shops may take recycled oil and oil filters. Drain, puncture, and crush used oil filters and store them in a separate container. For large amounts of used oil, contact a permitted used-oil recycling facility.

ASSOCIATED LAND ISSUES

Ranchers generally deal with a number of other land uses besides cattle production. In terms of environmental protection, it is important to understand how these land and management practices may affect water quality.

Fire Lines

Construction of fire lines is an essential practice for fire prevention, fire suppression and prescribed burning. However, improperly designed and constructed fire lines can result in excessive erosion and water quality degradation. Extra precautions are necessary when constructing fire lines near wetlands.

Fire lines should be plowed only where necessary. When possible, use existing barriers such as roads, watercourses, and other features, or alternatives to plowed lines, such as harrowing, grass strips, or wet lines. Wet lines are fire lines that are maintained and kept wet to prevent fire from spreading. Fire lines should not be plowed through sensitive areas such as wetlands, unless no other options exist and it can be done without adversely impacting the wetland. Always maintain a minimum plow depth during construction of the fire line. Raise the plow when crossing watercourses to prevent plowing through them. Design and construct fire lines so they do not function as drainage systems. This is particularly important for fire lines that might connect to isolated wetlands. A turnout is a useful feature to stabilize fire lines when erosion and sedimentation are likely. Whenever possible, orient fire lines along natural contours to prevent erosion and gully formation.

Construction of Access Roads

Access roads are a potential source of long-term erosion and sedimentation because of the bare soil associated with the road surface and the need for periodic maintenance. Carefully plan the location and desired drainage features prior to road construction, using soil survey maps, topographic maps, and aerial photographs. Place emphasis on minimizing stream and wetland crossings, and avoid construction during wet conditions. Also, focus on balancing cuts and fills to maximize use of local material and enhance roadbed stability.

To reduce road costs and disturbed surface area, minimize the road width consistent with the anticipated use. For fill road construction, keep

shoulders at a gentle slope to minimize erosion and accelerate re-vegetation. Stabilize road banks and critical road segments by using mulch, seed, or other methods to keep the road from washing away and to keep sediment out of streams. Avoid directing ditch flow or road runoff into streams, lakes, or other watercourses to prevent soil erosion and turbidity problems.

Some roads will cross ditches, streams, and other watercourses. These roads will require special consideration and proper planning to prevent culverts from washing out, over-drainage of the site, flooding, or other undesirable effects. The local USDA-NRCS office can assist in the proper design and construction to eliminate or minimize undesirable effects.

Culvert crossings, rock crossings, or **turnouts** can be used to enhance long-term stability, reduce maintenance and associated costs, and protect water quality. For example, turnouts, vegetation, or ditch plugs can reduce the volume and velocity of flow. Where practical, all road drainage practices that divert ditch flow or road surface runoff should direct the flow onto vegetated areas where it can be dispersed adequately. Water turnouts can be installed periodically to divert flow away from the road, and onto an adjacent vegetated area for treatment. These areas should be adequate in size and have sufficient ground cover to assimilate runoff. Also, install culverts on roads where there is a need to direct ditch flow from one side to the other, underneath the road surface. Base the size of the culvert on the road ditch size and size of the watershed above the culvert. (*Note: Activities in wetlands or streams may require a permit, so check with the county, water management district, and USDA-NRCS before proceeding*). Alternatively, a low-water crossing using filter fabric, rock, or concrete to stabilize the road base may be an alternative to installing cross-drain culverts.

Proper maintenance of access roads is very important. All drainage structures should be checked and maintained periodically, especially following excessive rain events. If signs of sediment or turbid discharges are present, take immediate corrective actions as necessary. Ditches and culverts should be kept free of major obstructions, and ditches should be allowed to re-vegetate as much as possible. Also, stabilize critical segments of roads with seeding or mulching to minimize erosion and sediment movement.

Elevated access roads should not be located within 25 feet of wetlands. Avoid directing ditch flow or road runoff into streams, lakes or other watercourses due to possible erosion and turbidity problems.

Silviculture

Many Florida ranchers have diversified their operations by growing trees as a complementary agricultural land use. Ranchers engaged in forest management should follow the most recent version of the *Silviculture Best Management Practices* manual, which can be obtained online at: <http://www.floridaagwaterpolicy.com>.

Intermittent Row Cropping

Intermittent row crops, such as watermelons, are periodically grown to renovate pastures or supplement income. To reduce the potential for water quality impacts, select pastures with adequate existing drainage features and minimize alterations of the drainage system. Remember to account for the row crop activities in your nutrient management practices. All permits or exemption determination

letters must be acquired prior to constructing new ditches or altering existing ditches and/or drainage features, so consult with the proper authorities before proceeding. Ranchers engaged in growing seasonal row crops should follow the most recent version of the *Water Quality/Quantity Best Management Practices for Florida Vegetable and Agronomic Crops*, which can be obtained online at: <http://www.floridaagwaterpolicy.com>.

Seasonal Sod Production

Much of the agricultural land in Florida is managed for cattle grazing. Sod production on bahiagrass pasture is generally recognized as a low-intensity agricultural use. When properly managed, this use provides vegetative cover and soil and water benefits. Some ranchers include the harvest of bahiagrass as part of their pasture renovation program. Ranchers engaged in seasonal sod production should follow the most recent version of the *Water Quality/Quantity Best Management Practices for Florida Sod*, which can be obtained online at: <http://www.floridaagwaterpolicy.com>.

Advanced-Level BMP Needs Assessment

*You must complete the Advanced-Level BMP
Needs Assessment on the next page to determine which
Advanced-Level BMPs are applicable to your operation.*

Note: Some of these BMPs may require financial assistance.

ADVANCED-LEVEL BMP NEEDS ASSESSMENT

This tool is to be used in addition to identifying the applicable Level I BMPs for your operation. After answering the questions below, ranchers may be required to address problem areas that require more protection. Your response will determine whether it is necessary to implement additional BMPs (Level II and/or Level III BMPs), and may indicate the need to develop a Conservation Plan for your operation. Based on your score and other onsite risk factors, you may not need to implement the Level II BMPs immediately. The BMP Checklist in Appendix 11 allows ranchers to indicate when they will implement practices.

Scheduling Options for Advanced-Level BMPs: If the Level I BMPs address the resource issues identified by the Needs Assessment, the related Advanced-Level BMPs may not need to be implemented. Therefore, for those Advanced-Level BMPs that you have determined may not be needed because the level one BMPs may adequately address the problem, you may schedule implementation to occur one year after the implementation date for the associated Level I BMPs. If, at the time the Advanced-Level BMPs are scheduled, the Level I BMPs have adequately addressed the resource issue(s) and you decide not to implement the Advanced-Level BMPs, you must notify FDACS which Advanced-Level BMPs are no longer applicable. However, where it is clear that the severity of the problem warrants it, implement the Advanced-Level BMPs as soon as practicable.

Scoring

- Circle the number next to each statement that applies to your operation. Add the numbers within each lettered subsection and place that number in the space labeled "Score." Add the scores together and place that number in the space labeled "Total Score." Divide the total score by the number of sections to get your average score for the section and place that number in the space labeled "Average Score."
- For the Level II BMP assessment questions, if your average score in a section is 2 or greater, implement the corresponding Level II BMPs.
- If your average score is greater than 4 in two or more sections, seek technical assistance to develop a **Resource Management System-Level Conservation Plan*** for the entire ranch.
- If your average score for the section on Grade-Stabilization Structures (Level III) is 3 or greater, seek technical assistance to develop a **Conservation**

Plan* specific to grade stabilization, regardless of your scores in the Level II Needs Assessment.

** Note: A Conservation Plan must contain all BMPs in this manual that are applicable to your operation. Depending upon which BMPs are required, it may be in your best economic interest to develop a Resource Management System-Level Conservation Plan for your ranch in order to be eligible for government cost-share, even if your scores do not dictate that you must have a Conservation Plan.*

Level II Needs Assessment

Comprehensive Prescribed Grazing

- A. Describe your operation's stocking rates:
- 0 Stocking rates are at or below the forage availability levels or Conservation Plan recommendations.
 - 1 Stocking rates are above forage availability or Conservation Plan levels only during the growing season and forage is adequate.
 - 4 Stocking rates are above forage availability or Conservation Plan recommended levels for the entire year and forage is short.

Score: _____

- B. Describe your operation's grazing system:
- 0 Rotational or prescribed grazing is practiced on 100% of pastures.
 - 1 Rotational or prescribed grazing is practiced on 50% of pastures.
 - 1 Continuous grazing is practiced and forage is maintained at appropriate heights.
 - 2 Continuous grazing is practiced and forage is below minimum heights only during the dry season.
 - 4 Continuous grazing is practiced and forage is constantly short.
 - 5 Continuous grazing is practiced and several areas in the pasture are denuded of vegetation.

Score: _____

Total Score: _____
(Score A + Score B)

Average Score: _____
(Total Divided by 2)

If your Average Score is 2 or greater, implement the Level II BMPs located in Section 3.2 on page 34.

Check Dams and Sediment Traps

A. Under average hydrologic conditions, have you observed a sand bar at the confluence of your drainage ditches/canals, or at a downstream lake or stream?

- 0 Never
- 1 There is a small sandbar(s) that I can see at really low water.
- 2 There is a small sandbar(s) that I can usually see.
- 4 There is a large sandbar(s) that causes some flow diversion.
- 5 There is a sandbar(s) that I have to clean out regularly.

Score: _____

B. Have you observed **turbid** water from high-intensity areas following a storm event?

- 0 Never
- 1 Only following very large storms (more than 2 inches of rain)
- 3 Usually some turbidity following minor storms (more than 1 inch of rain)
- 4 Usually some turbidity (plume of sediment) every time it rains
- 5 Water is always turbid, even when it does not rain.

Score: _____

Total Score: _____
(Score A + Score B)

Average Score: _____
(Total Divided by 2)

If your Average Score is 2 or greater, implement the Level II BMPs located in Sections 4.3 or 4.4 on page 36.

Livestock Use Exclusion

A. Is there soil erosion or denuded areas, due to livestock access, along watercourses that are within 500 feet of waters of the state?

- 0 There is no soil erosion resulting from denuded areas along the banks of these areas.
- 1 Less than 10% of the banks have erosion resulting from denuded areas.
- 3 10% to 20% of the banks have erosion or denuded areas.
- 4 More than 20% of the banks have erosion resulting from denuded areas.

5 Almost all banks have erosion resulting from denuded areas.

Score: _____

B. Describe the condition of the perennial stream or watercourse banks that livestock have access to:

- 0 Livestock do not have access to them.
- 1 Banks have a constant vegetative cover year round.
- 2 There are a few areas on banks denuded of vegetation for less than 30 days with no **rill erosion**.
- 3 There are a few areas on banks that are constantly denuded of vegetation with some rill erosion.
- 5 The majority of banks are constantly denuded of vegetation and substantial rill erosion is present.

Score: _____

Total Score: _____
(Score A + Score B)

Average Score: _____
(Total Divided by 2)

If your Average Score is 2 or greater, implement the Level II BMPs located in Section 7.3 on page 44.

High-intensity Area Design Retrofits

A. Describe the location of cowpens and their proximity to perennial streams or watercourses:

- 0 Cowpens are greater than 200 feet from perennial streams or watercourses and appropriate measures are taken to control runoff.
- 1 Cowpens are located within 200 feet of perennial streams or watercourses and appropriate measures are taken to control runoff.
- 5 Cowpens are located within 200 feet of perennial streams or watercourses and minimal or no measures are taken to control runoff.

Score: _____

B. If you periodically keep cattle in concentrated, denuded areas within 500 feet of perennial streams or watercourses, do you:

- 0 Prevent all runoff from the area from reaching perennial streams or watercourses
- 1 Route all runoff through filter strips or equivalent treatment areas before it reaches perennial streams or watercourses

- 2 Route 75% of runoff through filter strips or equivalent treatment areas before it reaches perennial streams or watercourses
- 3 Route 50% of runoff through filter strips or equivalent treatment areas before it reaches perennial streams or watercourses
- 4 Route 25% of runoff through filter strips or equivalent treatment areas before it reaches perennial streams or watercourses
- 5 Allow uncontrolled runoff from the concentrated area directly to perennial streams or watercourses

Score: _____

Total Score: _____
(Score A + Score B)

Average Score: _____
(Total Divided by 2)

If your Average Score is 2 or greater, implement the Level II BMPs located in Section 8.2 on page 45.

Reminder: If your average score is greater than 4 in two or more sections (Level II BMPs), seek technical assistance to develop a Resource Management System-Level Conservation Plan for the entire ranch.

Level III Needs Assessment

Grade Stabilization Structures

- A. Is there soil erosion around culverts or other water control structures in canals or ditches?
- 0 There is no erosion around any water control structures.
 - 1 Less than 10% of culverts have visible erosion around them.
 - 2 20% to 30% of culverts have visible erosion around them.
 - 4 30% to 50% of culverts have visible erosion around them.
 - 5 More than 50% of culverts have visible erosion around them.
- Score: _____
- B. Under normal wet-season weather conditions, have you ever had a road or culvert “blow out” due to high water levels?

- 0 Never
- 1 Once every 5 years
- 2 Once every 3 years
- 4 About once every year
- 5 A few culverts each year

Score: _____

- C. Have you observed turbid water leaving your property following a storm event?
- 0 Never
 - 1 Only following very large storms (more than 2 inches of rain)
 - 3 Usually some turbidity following minor storms (less than 1 inch of rain)
 - 4 Usually some turbidity (plume of sediment) every time it rains
 - 5 Water is always turbid, even when it does not rain

Score: _____

- D. Under average weather conditions, have you observed a sand bar at the confluence of your drainage ditches/canals, or at a downstream lake or stream?
- 0 Never
 - 1 There is a small sandbar(s) that I can see at really low water
 - 3 There is a small sandbar(s) that I can usually see
 - 4 There is a large sandbar(s) that causes some flow diversion
 - 5 There is a sandbar(s) that I have to clean out regularly

Score: _____

Total Score: _____
(Scores A+B+C+D)

Average Score: _____
(Total Divided by 4)

Reminder: If your Average Score for the Level III Needs Assessment (*Grade Stabilization Structures*) is 3 or greater, seek technical assistance to develop a Conservation Plan for this practice (*Grade Stabilization Structure*, NRCS Code 410), regardless of your scores in the other sections. The plan must contain the BMPs listed in section 4.5 of this manual.

Best Management Practices

Note: All BMPs that follow are Level I, Level II and Level III BMPs.

Reminder: You must complete the Advanced-Level BMP Needs Assessment on page 24 to determine which Advanced-Level BMPs are applicable to your operation.



1.0 NUTRIENT MANAGEMENT

Nutrient management for livestock operations requires a systematic management approach that includes several different, yet related, practices. It is arguably the most important category of BMPs in this manual. It includes managing plant nutrients for optimum forage yields and managing feeding practices to deliver proper nutrition for the animal. It also includes proper animal waste management to protect waterbodies. Nutrient management considers the amount, source, form, placement, and timing of fertilizer application materials. All potential sources of plant nutrients, such as organic and synthetic fertilizer inputs, as well as nutrient reserves within the soil, are identified, inventoried, and addressed.

One of the first steps in developing a sound fertilization management program involves a basic knowledge of soils. Many of Florida's soils naturally contain the required amount of phosphorus, assuming the pH levels are within the range to make this nutrient available. As such, soil testing and analysis is considered to be a cornerstone of any nutrient management program. For most ranches, soil testing should be conducted at a minimum of once every three to five years, or whenever phosphorous fertilizer is used. Nitrogen, which is not analyzed as part of a routine soil test, is a critically important macronutrient for vegetative growth. Plant tissue testing, which can detect plant nitrogen levels, can

be used in conjunction with soil testing to diagnose the overall effectiveness of a fertilization program. Tissue testing is especially useful to help a grower fine-tune their fertilizer application program.

Proper animal nutrition and feedstock management for environmental protection must consider the type, blend, and amount of feed to obtain maximum nutrition and animal health. Moreover, supplemental feed, its content and proximity to a waterbody, must also be considered, as it can secondarily affect nonpoint source pollution. In addition, animal waste management is a final consideration in developing an overall nutrient management budget. The principle goal of this BMP is to minimize nutrient loss to the environment because the offsite transport of nutrients to surface waters from various sources has caused most of the water quality impairment issues in Florida's watersheds.

Working Definition:

Nutrient management consists of fertilizer management, animal nutrition, feedstock management, and animal waste management.

1.1 Fertilizer Management

- ✓ 1. Use a soil test from a lab using the Mehlich-1 or another method approved by the UF-IFAS Extension Soils Testing Laboratory to deter-

mine P fertilization rate. Analyze the need for tissue testing based on the soil test results.

- ✓ 2. If planting legumes or fertilizing with manure or wastewater residuals, use the Nutrient Budget Worksheet in Appendix 5 to determine whether supplemental fertilizer is needed.
 - ✓ 3. Follow UF-IFAS-recommended rates in SL-129 for the particular forage. The criteria to determine phosphorus application on established bahiagrass pastures are: a tissue analysis < 0.15 percent phosphorus, soil pH ≥ 5.5 , and soil analysis is *very low (less than 10 ppm)* or *low (10 to 15 ppm)* for phosphorus. If using organic materials or manure, adjust the rate of supplemental fertilizer materials based on the product's nutrient content analysis.
 - ✓ 4. Time fertilizer applications with plant growth to maximize nutrient uptake and to minimize leaching and runoff.
 - ✓ 5. Prevent spreading fertilizer material in streams, sinkholes, or wetlands by maintaining at least a 50 foot setback from these features.
- Maintain records of fertilizer application. Records should include soil test analysis, date of application, fertilizer formulation, application rate, location and acreage, and worksheet results.

1.2 Residuals or Biosolids Application

- ✓ 1. Abide by all applicable regulations in FDEP Rule 62-640, F.A.C., for residuals application, and/or Florida Department of Health (FDOH) Rule 64E-6, F.A.C., for *septage* application.
- ✓ 2. Request the calcium carbonate equivalency and nutrient analysis of the product, expressed as a dry weight, for residuals or septage treated by lime stabilization. Use this analysis to determine what amount to apply without adversely affecting soil pH. This is especially important when applying the product to bahia grass, since it is an "acid loving" plant.
- ✓ 3. Obtain a copy of the FDEP Agricultural Use Plan from the hauler/applicator when applying residuals or septage, and abide by all grazing restriction and setback requirements.

1.3 Animal Nutrition and Feedstock

- ✓ 1. If using a high amount of supplemental feed, manage your operation so that nutrients in

feed will not lead to high rates of nutrient loads from waste. Keep in mind that livestock generally excrete 60 to 85% of the phosphorus fed to them.

- ✓ 2. Locate any confined feeding areas away from watercourses, wetlands, sinkholes or excessively sloped terrain. Ensure that filter strips or other conservation buffers are maintained between feeding areas and adjacent features.
- ✓ 3. Locate supplemental feeding and mineral stations at least 100 feet away from watercourses, streams, wetlands, wells or sinkholes.

1.4 Animal Waste Management

- ✓ 1. Manage livestock distribution to reduce any concentrated accumulation of wastes that could lead to nutrients contaminating ground water or surface waters.
- ✓ 2. Use onsite concentrated manure sources, if available, as a fertilizer supplement in accordance with soil test results. This will recycle nutrients and reduce the need for inorganic fertilizers.

Operation and Maintenance:

- Maintain and calibrate fertilizer application equipment properly.
- Do not mix or load fertilizers near environmentally sensitive areas.
- Store fertilizers properly and in a safe location.

References:

- (1) USDA-NRCS Nutrient Management, Code 590, FOTG-Section IV, <http://www.nrcs.usda.gov/technical/efotg/>
- (2) Beef Cattle Production Best Management Practices, LSU Ag Center, http://www.lsuagcenter.com/en/crops_livestock/livestock/beef_cattle/production_management/Beef+Cattle+Production+Best+Management+Practices.htm
- (3) Standardized Fertilization Recommendations for Agronomic Crops, UF-IFAS Fact Sheet SL-129, <http://edis.ifas.ufl.edu/SS163>
- (4) USDA-NRCS Waste Utilization, Code 633, FOTG-Section IV, <http://www.nrcs.usda.gov/technical/efotg/>
- (5) USDA-NRCS Feed Management, Code 592, FOTG-Section IV, <http://www.nrcs.usda.gov/technical/efotg/>



2.0 ALTERNATIVE CATTLE WATER SOURCES

Beef cattle, like humans, need a reliable source of freshwater in order to survive. Water requirements are influenced by several factors, including rate of gain, pregnancy, lactation, activity, type of diet, feed intake, and air temperature. These requirements are generally met by water originating from wells, surface waters, upland ponds, and natural isolated wetlands, as well as moisture found in feed. Limiting water intake can depress animal performance more quickly than any other nutrient-related deficiency. Domesticated animals can live about 60 days without food, but only seven days without water.

On average, a beef cow's estimated daily intake of freshwater is between 11 and 15 gallons per day, depending upon the time of year and whether lactating cows are present. Hot weather can nearly double the daily water intake requirements, compared to winter months. Lactation can also increase the water intake needs significantly, since water intake during the latter stages of pregnancy can be 30% to 50% higher than normal.

Nonpoint source pollution problems on cattle operations can occur in the vicinity of watering sites and supplemental feed and/or loafing areas, where animals tend to congregate most often. Using stagnant sources of surface water alone can also pose health hazards to livestock. Cattle liver fluke and Leptospirosis are waterborne diseases that can infect other members of the herd. Therefore, providing

fresh water and strategically locating supplemental feed facilities away from perennial streams and major discharge canals will help keep livestock out of critical watercourses. Artificial shade structures may also be used to encourage the use of upland sites for shading and loafing. These planning considerations are essential components to avert water quality problems related to livestock distribution. This is especially important when stocking rates are increased and pasture rest periods are minimized. Ultimately, careful planning and site-specific decisions involving alternative cattle water sources can have a significant role in protecting water quality and can preclude the need to install costly exclusion fencing adjacent to natural watercourses.

Working Definition:

Alternative cattle water sources are strategically located freshwater sources such as upland excavated ponds, artesian wells, watering troughs, and/or other surface water sources that provide adequate drinking water away from sensitive water resources.

2.1 Water Needs Inventory

- ✓ 1. Inventory existing water sources and average herd size to ascertain the estimated water use (daily intake of water), to ensure that a 7-day supply of water is always available in herd management areas.

- ✓ 2. Review water management district records on regional well water quality data, particularly with regard to total dissolved solids and sulfates, as this may affect animal health.

2.2 Upland Pond Construction Criteria

- ✓ 1. Construct new ponds by embankment or excavation, keeping the pond size between $\frac{1}{4}$ and 2 acres, and locating it at least 50 feet away from wetlands, or further based on water management district requirements. Keep side slopes no steeper than a one-to-one horizontal to vertical ratio.
- ✓ 2. Construct cattle access areas with a minimum slope of three-to-one horizontal to vertical ratio.

2.3 Other Watering Sources

- ✓ 1. Locate watering troughs and associated shade facilities to keep cattle away from perennial streams or watercourses as much as possible.
- ✓ 2. Construct troughs or tanks with a stable base to reduce health hazards to livestock.
- ✓ 3. For piped withdrawals of non-regulated surface water sources, extend pipe at least 100 feet landward from the waterbody.

Operation and Maintenance:

- Maintain all wells, troughs, and other associated structures in good working order.
- If you suspect the animals are affected by a water-borne illness, carefully monitor animal health and conduct water quality sampling and analysis.
- Clean watering troughs frequently with dilute bleach.

References:

- (1) USDA-NRCS Pond, Code 378; Watering Facility, Code 614; Pipeline Code, 516; and Livestock Shade Structure, Code 717, FOTG-Section IV, <http://www.nrcs.usda.gov/technical/efotg>
- (2) Beef Cattle Production Best Management Practices, LSU Ag Center, http://www.lsuagcenter.com/en/crops_livestock/livestock/beef_cattle/production_management/Beef+Cattle+Production+Best+Management+Practices.htm
- (3) Livestock and Water, North Dakota State University, AS-954, <http://www.ag.ndsu.edu/pubs/ansci/livestoc/as954w.htm>
- (4) Water for Livestock Using Solar Generated Electricity, UF-IFAS Fact Sheet EES-97, <http://www.p2pays.org/ref%5C08/07682.pdf>



3.0 PRESCRIBED GRAZING

Before land was deeded to private ownership, historical ranching in Florida consisted of native range grazing practices. The knowledge and wisdom gained by early cowboys driving cattle over a vast expanse is still evident today. Some operations still practice the age-old art of native range grazing, whereby natural grasslands, scrublands, and savannas provide adequate forage for low-density stocking rates. In these operations, livestock are normally grazed at a rate of one **animal unit** to more than six acres, depending on the condition of the range site. Given today's financial constraints, grazing systems generally fall under the **prescribed grazing** category. All grazing systems have advantages and disadvantages. The requirements of a grazing system and the goals of the ranch manager should be matched to provide environmentally and economically sound options.

The potential for non-point source pollution from rangeland livestock depends primarily on stocking rate, length of grazing period, season of use, manure deposition sites and location. Normally, well-managed pastures and rangeland present little to no water quality problems from cattle excrement alone. In this scenario, most of the available phosphorus from excrement decomposition is re-used in the system via the phosphorus cycle. Problems may occur in cases where animals congregate for feeding, watering, and resting in close proximity

to surface waters; however, most of the problems associated with high phosphorus discharge are generally linked to soil erosion and sediment transport stemming from these activities. To counter this, pasture and rangeland water quality can be effectively managed by proper distribution of cattle, along with the strategic placement of supplemental feeding, mineral stations, and alternative water sources away from surface waters. Installing fences and subdividing large pastures to exert more control over the frequency and timing of grazing can also improve grazing distribution. Poor grazing management will lead to nutrient losses and invasion of undesirable plant species. Good planning and management on pastures, using rotational grazing principles, can effectively sustain the herd and prevent pollution problems.

Working Definition:

Prescribed grazing is managing the harvest of vegetation with grazing and/or browsing animals.

3.1 Prescribed Grazing Guidelines

- ✓ 1. Manage forage grazing of pastures or **paddocks** based on established stubble heights to maintain plant vigor, prevent soil erosion, and maintain soil moisture levels. Base prescribed grazing schedules on the rate of plant growth, available forage and

utilization, not on calendar dates. Carefully monitor available forage to ensure it is adequate to meet animal demand.

- ✓ 2. Use rotational grazing or other measures to give concentrated areas time for re-growth between grazing periods, and to achieve a more even manure distribution across the pasture.
- ✓ 3. Incorporate a flash grazing system in established wetland exclusion areas to manage the existing vegetation without degrading the resource.
- Maintain grazing records by pasture, and develop a contingency plan for floods and droughts in order to adjust the required grazing demands.

Note: Do the Advanced-Level BMP Needs Assessment to determine whether to implement the BMPs below.

3.2 Level II - Comprehensive Prescribed Grazing

- ✓ 1. Initiate grazing only after the predominant forages have reached acceptable plant height(s), and rotate or remove livestock when grazing results in minimum leaf length(s) per NRCS recommendations in Code 528. Plan the rest periods for predominant forages based on the season of the year.

- ✓ 2. Incorporate cross-fencing to subdivide larger pastures so that rotational grazing is more effective.

- Keep records on stocking numbers, grazing days, and length of rest periods for each pasture or field.

Operation and Maintenance:

- Maintain all fences, wells, troughs and other associated structures in good working order.
- Review and revise grazing management plans as needed, or at least annually.

References:

- (1) USDA-NRCS Prescribed Grazing, Code 528; Pasture and Hayland Planting, Code 512; Range Planting, Code 550; FOTG-Section IV, <http://www.nrcs.usda.gov/technical/efotg>
- (2) Beef Cattle Production Best Management Practices, LSU Ag Center, www.lsuagcenter.com/en/crops_livestock/livestock/beef_cattle/production_management/Beef+Cattle+Production+Best+Management+Practices.htm
- (3) National Management Measures for the Control of Nonpoint Pollution from Agriculture, EPA Document No. 841B03004, <http://www.epa.gov/nps/agmm/>



4.0 SEDIMENT AND EROSION CONTROL MEASURES

Some farm practices may inadvertently affect the quality of water discharged offsite. Removal of natural vegetation and topsoil increases the potential for soil erosion, which can change runoff characteristics and result in loss of soil and increased turbidity and sedimentation in waterbodies. Sediments along with **sorbed** nutrients and pesticides may be carried in runoff, and can negatively affect adjacent surface waters.

The first step in preventing erosion and sediment transport is to limit the amount of land that is cleared of vegetation. When clearing vegetation to develop new pastures, re-vegetation should occur as quickly as possible to limit erosion. Whenever possible, land clearing activities should be planned and conducted during the dry season. The second step in preventing erosion and sediment transport involves the use of BMPs, as discussed below. However, keep in mind that installing some of these may require technical assistance.

Whenever ranchers are conducting activities that create a significant risk to water resources, they should use the most appropriate BMPs based on site-specific conditions. The use of more common erosion-control practices (e.g., vegetation, mulch, land leveling) and sediment control devices (e.g., silt fences, check dams, sediment traps) should be employed in progression. Consider using the more passive erosion control measures first, in order to

prevent sediment transport. If more protection is needed, sediment control devices can be used next to capture sediment-laden water and allow enough time for larger particles to settle out. By following these practices, ranchers can prevent erosion and sedimentation impacts, which will not only protect the water resources, but also will ensure long-term productivity of agricultural farmland.

Working Definition:

Sediment and erosion control measures are permanent or temporary practices to prevent sediment loss from fields, **attenuate** water flow, and/or trap and collect debris and sediments in runoff water.

4.1 General Erosion and Sediment Control Measures

- ✓ 1. Minimize the amount of vegetation that is cleared when doing construction work.
- ✓ 2. Perform land clearing during the dry season.
- ✓ 3. Vegetate new road banks and other disturbed areas within 14 days of construction. As an alternative to seeding, consider using bermudagrass plugs, sprigs, or sod.
- ✓ 4. Use rock crossings when constructing roads across streams and creeks that have low-flow conditions.
- ✓ 5. Manage livestock to prevent significant erosive trails from developing.

If more protection is needed to control particulate matter, use the two BMP groups below to enhance the level of protection for your operation. They are listed and used progressively (least to most protective) to provide an increasing level of protection.

4.2 Silt Fences

- ✓ 1. Use silt fences when protection is needed for 3 months or less. They can intercept and detain small amounts of sediment and can decrease the velocity of water under sheet-flow conditions. Use them during construction activities and install them at property boundary lines when a discrete point of discharge exists. Silt fences must be properly trenched in, backfilled and compacted in accordance with the Florida Stormwater, Erosion, and Sediment Control Inspector's Manual referenced below.

Note: Do the Advanced-Level BMP Needs Assessment to determine whether to implement the BMPs below.

4.3 LEVEL II - Check Dams

- ✓ 1. Install check dams in drainage ditches that have defined flow and experience recurring sedimentation problems. Install them downstream from the disturbed area, perpendicular to the direction of flow. These devices can be created using a variety of materials such as rock, rip rap, or sand bags. Space check dams so that the bottom of the uphill dam is the same height as the top of the downstream dam, or implement BMP 4.4 below.

4.4 LEVEL II - Sediment Traps

- ✓ 1. Install sediment traps within canals or near cowpens when conditions warrant. Clean out traps periodically, as sediment will accumulate.
- ✓ 2. Maintain or replace associated flashboard riser water control structure(s) when a drainage outlet exists, and you have experienced significant recurring erosion problems.

4.5 LEVEL III – Grade Stabilization Structures

- ✓ 1. Remove all vegetative debris and other objectionable material so that it will not interfere with the construction or proper functioning of the grade stabilization structure.
- ✓ 2. Vegetate disturbed areas within 14 days of construction. As an alternative to seeding, use plugs or sprigs for quick cover.
- ✓ 3. Fence the area around the structure to exclude livestock, which can cause erosion and sedimentation problems at the structure.

- ✓ 4. Install structures during dry conditions, and properly de-water the site beforehand.
- ✓ 5. Place fill in horizontal layers, not to exceed four inches in thickness, and compact the fill. Spread or dispose excess fill material in a manner not to interfere with the functioning of the structure.
- ✓ 6. Make provisions to prevent damage from overtopping the structure, and to divert excess flows away from the structure. On structures with drainage areas of 3 acres or less, overtopping of the structure is permitted only if damage will be minor.
- ✓ 7. On pipe island-type or side-inlet drainage structures where the effective height is less than 10 feet and the vertical drop is less than 10 feet from natural ground to normal water level, ensure that earth embankments at or around the structures have side slopes no steeper than 2 horizontal to 1 vertical.
- ✓ 8. Contact USDA-NRCS or FDACS for technical assistance and/or structure design guidance.

Operation and Maintenance:

- Remove any sediment deposits on screens when they reach one half the height of the barrier.
- Keep heavy equipment off of newly vegetated areas until they are established.
- Consider reusing sediment basin water for routine irrigation needs, so long as water volumes and quality warrant.

References:

- (1) USDA-NRCS Sediment Basin, Code 350; Fence, Code 382; Grade Stabilization Structure, Code 410; Animal Trails and Walkways, Code 575; Water and Sediment Control Basin, Code 638; Structure for Water Control, Code 587; FOTG-Section IV, <http://www.nrcs.usda.gov/technical/efotg>
- (2) Farming for Clean Water in South Carolina: A Handbook of Conservation Practices, <http://www.epa.gov/owow/nps/bestnpsdocs.html#agriculture>
- (3) The Florida Stormwater, Erosion, and Sediment Control Inspector's Manual, FDEP, <http://www.dep.state.fl.us/water/nonpoint/docs/erosion/erosion-inspectors-manual.pdf>
- (4) USDA Planning and Design Manual for the Control of Erosion, Sediment, and Stormwater, <http://www.abe.msstate.edu/csd/p-dm/index.php>
- (5) National Management Measures for the Control of Nonpoint Pollution from Agriculture, EPA Document No. 841B03004, <http://www.epa.gov/nps/agmm/>



5.0 WATER RESOURCES MANAGEMENT

Florida receives an average of 53 inches of rain per year. However, rainfall amount varies across the state by region, season, and year. Average rainfall tends to decrease as you move toward the central and southeastern parts of the state, and increase as you move toward the northwestern part of the state. In general, rainfall tends to occur more frequently during the summer months in Florida, especially in the central and southern areas of the state.

Water management and nutrient loading to surface waters are linked. For most cattle operations in Florida, key water resources management issues involve:

1. Properly planning for water supply needs for irrigation of forage and/or supplemental cattle watering.
2. Following good construction practices if using swales, ditches and/or canals for drainage in improved pastures.
3. Evaluating the potential to install or manage existing water control structures to hold water onsite, as much as possible.

All three of the above items affect the hydrologic conditions and runoff potential of pastures. Ranches typically have lower nutrient concentrations, but may experience higher volume discharges, due to large land areas. Leaving boards in water control

structures will reduce the volume of discharge and sediments, and improve water quality.

Alteration of the land, which may include construction of impervious surfaces such as roads, driveways, parking lots and agricultural structures increases stormwater runoff during rainfall events. Soil compaction in high-traffic areas can reduce soil permeability and increase stormwater runoff. Improper stormwater management leads to onsite and offsite flooding, increased pollutant loading to surface and ground waters, erosion and sedimentation, and the loss of valuable fresh water resources. The need to address these stormwater impacts has led to the implementation of a comprehensive stormwater management program that is implemented cooperatively by FDEP and the water management districts to minimize flooding and stormwater pollution. All new development activities, and some agricultural activities, especially those that alter onsite hydrology, are required to obtain an Environmental Resource Permit (ERP). Some farms may already have an ERP or other WMD surface water management permit that incorporates onsite stormwater management requirements.

While cow/calf operations generally do not lead to stormwater problems, there may be individual farm circumstances that create the need for specific stormwater management practices. Appendix 10 contains guidance and planning considerations to

address these circumstances. The construction of a stormwater management system (e.g., retention or detention pond) may require an ERP or other WMD surface water management permit. Therefore, please check with your WMD before beginning construction of any stormwater management system.

Working Definition:

Water resources management includes good planning and water use practices, and strategic placement of water control structures to manage surface water resources effectively.

5.1 Water Supply

- ✓ 1. Know the quantity and quality of the irrigation water source.
- ✓ 2. Determine the general water requirements for primary forage grasses in improved pastures. Crop water requirements refer to the actual water needs for **evapotranspiration** (ET) and plant growth, and generally depend on crop-specific and climatic factors. Adjust irrigation amounts to forage plant needs.

5.2 Ditch Construction And Maintenance

- ✓ 1. Follow appropriate grades and plans during ditch excavation. Deposit **spoil** material in a manner so it cannot be reintroduced into the ditch or canal. Keep in mind that ditches have an engineered limit or **conveyance capacity** that governs how much water the ditch can store or convey.
 - ✓ 2. Use appropriate setback distances when constructing drainage ditches close to wetlands to avoid **hydraulic drawdown** impacts.
 - ✓ 3. Protect canal or ditch banks from erosion in areas subject to high water velocities, using **rip-rap**, concrete, headwalls, or other buffering materials. Take the appropriate steps to prevent livestock from damaging ditch banks.
 - ✓ 4. Selectively control broadleaf vegetation on ditch banks to maintain a vegetative cover that is compatible with existing pasture vegetation.
 - ✓ 5. Maintain all main ditch features regularly by removing unconsolidated sediments to retain the designed, cross-sectional area.
-  Keep records of all ditch maintenance activities, and keep any records that relate to ditch design cross-sectional area.

5.3 Installation of Water Control Structures

- ✓ 1. If economically feasible, install water control structures at ranch outfalls, and/or the outfall of historically drained isolated or contiguous wetlands. Doing this will rehydrate these wetlands and provide onsite water quality treatment opportunities. A fixed weir is one device that may be used to help maintain **normal pool** water levels within these wetlands.
- ✓ 2. Maintain boards in all structures to reduce discharge volume, and especially use boards at the end of the dry season to keep the first flush of nutrients onsite.

Before installing new (non-replacement) water control structures, contact FDACS, USDA-NRCS, the applicable water control district and/or your water management district to see if technical assistance or permitting may be required.

5.4 Grassed Waterways

- ✓ 1. Install a grassed waterway to divert runoff from upland pasture areas around any concentrated areas such as cowpens that are near watercourses, streams, wetlands, or sinkholes. Design the grassed waterway in accordance with USDA-NRCS specifications.

Operation and Maintenance:

- Replace dilapidated water control structures with structures matching original specifications and use good sediment control measures.
- Routinely remove any accumulated aquatic weeds at the control structure(s) to maintain proper drainage and prevent secondary environmental impacts. Use a combination of physical control (e.g. floating barriers, screens, etc.), biological control (e.g. herbivorous fish), and chemical control (e.g. selective herbicides labeled for aquatic applications) to suppress and reduce aquatic weed problems.

References:

- (1) USDA-NRCS Irrigation Field Ditch, Code 388; Grassed Waterway, Code 412; Structure for Water Control, Code 587; Surface Drainage (Field Ditch), Code 607; and Surface Drainage (Main or Lateral), Code 608; FOTG-Section IV <http://www.nrcs.usda.gov/technical/efotg>
- (2) Design and Construction of Surface Drainage Systems on Agricultural Lands in Humid Areas, American Society of Agricultural and Biological Engineers, Standard EP 302.4,

- (3) American Society of Agronomy: Drainage for Agriculture, <http://www.agronomy.org>
- (4) The Florida Stormwater, Erosion, and Sedimentation Control Inspectors' Manual, FDEP, <http://www.dep.state.fl.us/water/nonpoint/docs/erosion/erosion-inspectors-manual.pdf>

- (5) National Management Measures for the Control of Nonpoint Pollution from Agriculture, EPA Document No. 841B03004, <http://www.epa.gov/nps/agmm/>



6.0 CONSERVATION BUFFERS

For the purposes of this manual, conservation buffers include field borders, filter strips and *riparian* buffers. They are generally non-tilled areas and can be selectively used in cow/calf operations to provide an additional level of water quality treatment, especially near sensitive discharge areas. Field borders are strips of permanent vegetation, either natural or planted, at the edge or perimeter of fields. They function primarily to help reduce erosion from wind and water, protect soil and water quality, and provide wildlife habitat. Filter strips are areas of permanent vegetation between farm fields and adjacent to environmentally sensitive areas. Their main purpose is to decrease the velocity of runoff water and remove sediment particles before they reach surface waters. Riparian buffers are areas of trees, shrubs and/or grasses located adjacent to natural streams, which help reduce excessive amounts of sediment, organic material, nutrients, and pesticides in surface water sheetflow. Riparian buffers are most effective on highly sloped lands when positioned next to perennial or intermittent streams with high ground water recharge potential.

Working Definition:

Conservation buffers are permanently vegetated, non-cultivated areas that function to retain water and soil onsite to help reduce pollutants in surface water runoff.

6.1 Field Borders

- ✓ 1. When creating new improved pastures on previously idle land adjacent to urban areas, install or maintain field borders around the perimeter or, at a minimum, in areas where runoff enters or leaves the pasture.
- ✓ 2. Plant borders during the time of year that will assure the most success for survival, and consider using native species and/or overseeding the border with legumes for plant diversity and wildlife benefits.

6.2 Filter Strips

- ✓ 1. Install a filter strip to treat runoff from concentrated livestock areas, such as feed areas or cowpens that are directly adjacent to wetlands and sinkholes.
- ✓ 2. Design the filter strip based on peak discharge from the concentrated waste area, and generally base this calculation on a 2-year, 24-hour rainfall event. Construct the treatment area wide enough to convey the flow at a depth of 0.5 feet or less, with the length sufficient to provide at least 15 minutes of flow-through time.

6.3 Riparian Buffers

- ✓ 1. Install or maintain a riparian buffer or filter strip

on pasture areas that exceed 1% slope and discharge directly to streams. Specifically:

- Maintain an existing riparian buffer as an alternative to fencing when conditions warrant. Refer to the Fence Installation BMP in this manual for more information.
- Locate and size any stream crossings to minimize impacts to riparian buffer vegetation and function. Refer to USDA-NRCS Stream Crossing, Code 578 for design criteria.
- Select shrub and tree species based on their compatibility in growth, water, and shade tolerance.

Contact FDACS, USDA-NRCS or a Technical Service Provider approved by the USDA-NRCS for assistance in properly designing the riparian buffer in accordance with USDA-NRCS Codes 390 and/or 391 in the Key References section below.

Operation and Maintenance:

- Inspect conservation buffers periodically, and restore as needed in order to maintain their intended purpose.
- Do not overuse fertilizers, pesticides, and other chemicals in maintaining buffers.
- Repair rills and small channels that may develop across the buffers, and reseed as necessary.

- Use proper grazing or haying management practices to maintain the integrity of grassed waterways, if applicable.
- If rollerchopping, conduct these activities in accordance with USDA-NRCS guidelines and use prescribed burns as necessary to maintain the native vegetation within the buffer and to discourage the establishment of nuisance exotic vegetation.

References:

- (1) USDA-NRCS Field Border, Code 386; Riparian Herbaceous Cover, Code 390; Riparian Forest Buffer, Code 391; Filter Strip, Code 393; and Grassed Waterway, Code 412; FOTG-Section IV, <http://www.nrcs.usda.gov/technical/efotg>
- (2) National Management Measures for the Control of Nonpoint Pollution from Agriculture, EPA Document No. 841B03004, <http://www.epa.gov/nps/agmm/>
- (3) General Specifications for Establishing Riparian Forest Buffers, USDA-NRCS FL Technical Note Forestry FL-17, <http://www.usda.nrcs.gov/>
- (4) Farming for Clean Water in South Carolina: A Handbook of Conservation Practices, <http://www.epa.gov/owow/nps/bestnpsdocs.html#agriculture>
- (5) Predicting Soil Erosion by Water: A Guide to Conservation Planning with the Universal Soil Loss Equation, USDA Agricultural Research Service, Agricultural Handbook No. 703, <http://www.ars.usda.gov/Research/docs.htm?docid=5974>



7.0 FENCE INSTALLATION

Fences are usually installed across pasture lands and around the perimeter to allow for rotation, deferment, and resting of grazing lands. Exclusion fencing is sometimes required adjacent to **perennial streams** to prevent cattle from entering these waters. This helps reduce the occurrence of animals standing in water, streambank erosion problems, and water quality degradation.

Nonpoint source pollution from rangeland livestock depends primarily on stocking rate, length of grazing period, season of use, concentrated manure deposition sites, and proximity of livestock to the nearest watercourse. Receiving waters, particularly areas that may be defined as **waters of the state** should be reasonably protected from point source discharges (via structures) resulting from livestock. This is especially true in summer time when livestock have a tendency to congregate in natural waterbodies or artificially dug watering areas to cool off. If the number of animals and frequency of occurrence are high, this may result in adverse stream bank damage, erosion, and/or nutrient and bacterial loadings. Livestock may also gravitate towards deep-water wetland habitats that have standing water during most of the year, such as swamps and marshes. Some of these wetlands may be hydrologically connected to downstream watercourses. Consequently, it is important to calculate your livestock's water needs and assess whether the

available water resources are adequate to provide a year-round freshwater supply for the herd without the resources being adversely affected.

Large-scale exclusion fencing may be logistically impractical or cost-prohibitive. Before installing exclusion fencing, ranchers should consider all alternative approaches. In many cases, exclusion of livestock from watercourses and associated riparian areas can be accomplished using riparian buffers and proper grazing management, and/or placing feed, water, and shade structures in upland areas. Ranchers dealing with this issue should first use all reasonable methods in the **Alternative Cattle Water Sources and Conservation Buffer (Riparian Buffer) BMPs** as an option to installing exclusion fencing.

Once fences are installed, it is very important to maintain them. Regular inspection of fences should be part of an ongoing management program. Inspection of fences after major storm events and wildfires is recommended to maintain their intended use. The location and construction of all fences and storage of fence materials should comply with local, state, and federal laws. Landowners are encouraged to consult with water management district staff and USDA-NRCS prior to conducting land clearing activities and associated fencing projects in surface waters or wetlands, to ensure that proper authorization is obtained, if needed.

Working Definition:

Fence installation is a method of managing cattle in an area to maintain, or improve the quantity and quality of the natural resources.

7.1 General Fence Installation

- ✓ 1. Perform land clearing before fence installation. Minimize vegetation removal and soil disturbance.
- ✓ 2. Use compatible fencing material based on the site's soil and water properties, and construct fences or barriers so they are structurally adequate for their intended purpose.
- ✓ 3. Adjust stocking rates to ensure uniform grazing, or subdivide larger pastures using fencing.
- ✓ 4. Stabilize stream banks, then either: provide adequate alternative cattle water sources, such as watering troughs or upland excavated ponds; or install and maintain exclusion fencing to control cattle access when cattle graze in predominately improved pastures that contribute runoff to perennial streams.
- ✓ 5. As an alternative to fence installation, provide or maintain a riparian buffer to create a natural barrier landward of the stream when cattle graze in predominately native or semi-improved pastures that contribute runoff to perennial streams.

7.2 Fence Installation In Wetlands

- ✓ 1. When installing fences in wetlands, minimize the use of mechanical equipment, and keep the cleared area no wider than 12 feet on average on either side of the fence. Do not dredge or fill within the wetland.
- ✓ 2. Perform all work during the dry season, when there is no standing water in the wetland.

Note: Do the Advanced-Level BMP Needs Assessment to determine whether to implement the BMPs below.

7.3 LEVEL II - Livestock Use Exclusion

- ✓ 1. For cattle grazing in areas regulated by a water management district surface water permit, install and maintain exclusion fencing on each side of and across the ranch drainage canal at a minimum distance of 300 feet (or greater if required by permit) from outfall(s) that connect offsite to waters of the state. This distance only applies to the measurement taken from the outfall to a point upstream 300 feet.
- ✓ 2. For cattle grazing in areas not regulated by a water management district surface water permit, install and maintain exclusion fencing on each side of and across the ranch drainage canal at a minimum distance of 500 feet from outfall(s) that connect offsite to waters of the state. This distance only applies to the measurement taken from the outfall to a point upstream 500 feet.
- ✓ 3. Install and maintain permanent or temporary exclusion fencing along areas directly adjacent to perennial streams when these areas have significant rill or **gully erosion**.

Operation and Maintenance:

- Maintain all fences, watering troughs, and shade structures in good working order to prevent animals from congregating in waterbodies.
- Repair rill and gully erosion when installing an exclusion fence.

References:

- (1) USDA-NRCS Fence, Code 382; and Use Exclusion, Code 472; FOTG-Section IV, <http://www.nrcs.usda.gov/technical/efotg>
- (2) Beef Cattle Production Best Management Practices, LSU Ag Center http://www.lsuagcenter.com/en/crops_livestock/livestock/beef_cattle/production_management/Beef+Cattle+Production+Best+Management+Practices.htm
- (3) National Management Measures for the Control of Nonpoint Pollution from Agriculture, EPA Document No. 841B03004, <http://www.epa.gov/nps/agmm/>
- (4) Streamside Livestock Exclusion, Virginia Tech Cooperative Extension, Publication No. 442-766, <http://www.ext.vt.edu/pubs/bse/442-766/442-766.html>



8.0 HIGH-INTENSITY AREAS

High-intensity areas, where livestock are confined or congregate for extended periods of time, can adversely impact both the environment and the animal's health. Feeding areas, holding or cow pens, watering troughs, and shaded or covered shelter areas may create high-intensity areas. Proper management of these areas will alleviate environmental concerns, support livestock health, and improve the overall aesthetics of the cow/calf operation.

Working Definition:

High-intensity areas are parts of a cow/calf operation used intensively by livestock for short periods of time, resulting in denuded ground cover.

8.1 High-Intensity Area Management

- ✓ 1. Locate new cowpens a minimum 200 feet away from watercourses, streams, wetlands, wells or sinkholes, and construct a berm to prevent runoff.
- ✓ 2. Direct runoff from high-intensity areas away from watercourses, streams, wetlands, wells or sinkholes using grassed waterways or swales. This can be used as part of a treatment train in conjunction with sediment traps.

Note: Do the Advanced-Level BMP Needs Assessment to determine whether to implement the BMPs below.

8.2 LEVEL II – Design Retrofits

- ✓ 1. Apply aggregate surfaces such as crushed rock or gravel in and around these areas to prevent erosion.
- ✓ 2. Install filter strips, conservation buffers, or berms/diversions to treat discharges into watercourses, streams, wetlands, wells or sinkholes.

Operation and Maintenance:

- Inspect fencing and structures regularly and make necessary repairs.
- Periodically clean or remove excess manure from these areas.
- Inspect these areas after severe weather events to ensure runoff has been properly contained or diverted.
- Use agronomic practices to re-vegetate denuded areas.

References:

- (1) USDA-NRCS Heavy Use Area Protection, Code 561; FOTG-Section IV <http://www.nrcs.usda.gov/technical/efotg>
- (2) Effect of Stocking Rate on Measures of Cow-Calf Productivity and Nutrient Loads in Surface Water Runoff, UF-IFAS AN-14, <http://edis.ifas.ufl.edu/>
- (3) National Management Measures for the Control of Nonpoint Pollution from Agriculture, EPA Document No. 841B03004, <http://www.epa.gov/nps/agmm/>



9.0 ANIMAL MORTALITY

Animal carcasses contain microorganisms. Some of these organisms may be pathogenic (disease causing), either to animals of the same species or to different animal species. Proper management of animal carcasses will prevent the movement of pathogenic organisms to surface or ground water and therefore reduce the risk of transmitting diseases to healthy livestock. Proper management of carcasses will also protect surface waters from unwanted organic loads that can lower dissolved oxygen levels and kill fish. In addition, odor and nutrient enrichment problems can be prevented.

Carcass management will vary around the state, but viable alternatives include rendering, burning, burial, or hauling the carcass to an upland site away from other animals and water sources. Keep in mind that FDEP Rule, 62-701, F.A.C., for *Solid Waste Management Facilities* may apply if operators are faced with a catastrophic die-off of livestock, and have to dispose of these animals in accordance with state rule.

Working Definition:

Animal mortality BMPs involve the judicious management and disposal of dead animals to protect water quality and to provide increased protection to livestock and humans.

9.1 Sanitation And Disease Control Measures

- ✓ 1. Transport carcasses in a sanitary manner to prevent spreading infection.
- ✓ 2. Clean and disinfect any mechanical equipment surfaces that were in contact with the carcasses, especially if you suspect a more virulent disease organism to be the cause of death.
- ✓ 3. Report any of the dangerous diseases listed below to the State Veterinarian per the requirements in section 585.18, F.S.

Anthrax	Heartwater
Bont Tick infestation (Amblyomma)	Lumpy skin Disease
Bovine Piroplosmosis (Cattle Tick Fever)	Peste des Petits Ruminants
Bovine Spongiform Encephalopathy	Pseudorabies (Aujeszky's Disease)
Brucellosis (B. abortus, B. suis)	Rabies
Southern Cattle Tick infestation (Boophilus)	Rift Valley Fever
Contagious Bovine or Caprine Pleuropneumonia	Rinderpest
Foot and Mouth Disease	Salmonella Enteritidis
	Scabies
	Screwworm infestation
	Tuberculosis
	Vesicular Stomatitis

9.2 Disposal

- ✓ 1. Move carcasses to an upland area away from watercourses, streams, wetlands, wells, or sinkholes.
- ✓ 2. If a suitable site is available, locate any burial site at least 50 feet away from adjacent property owners, and at least 200 feet away from watercourses, streams, wetlands, wells or sinkholes. Identify this area on a map and keep the map handy for future reference.

9.3 Rendering And Incineration

- ✓ 1. Use a licensed rendering or incineration facility, if one exists locally.

Operation and Maintenance:

- Maintain soil stabilization practices until vegetation is re-established on top of burial sites.

- If composting, remember that animal carcasses are very high in nitrogen and have an average C:N ratio of 5:1. Because of this, they will likely require a supplemental carbon source to decompose properly.

References:

- (1) Beef Cattle Production Best Management Practices, LSU, http://www.lsuagcenter.com/en/crops_livestock/livestock/beef_cattle/production_management/Beef+Cattle+Production+Best+Management+Practices.htm
- (2) USDA-NRCS Animal Mortality Facility, Code 316; Composting Facility, Code 317; FOTG-Section IV, <http://www.nrcs.usda.gov/technical/efotg>
- (3) Composting Animal Mortality, Minnesota Department of Agriculture, <http://www.mda.state.mn.us/animals/animals/composting.htm>
- (4) Chapter 585, Florida Statutes



10.0 WELLHEAD PROTECTION

With the majority of Florida's water supply originating from underground sources, or **aquifers**, it is extremely important that ranchers make every effort to protect source waters. Successful wellhead protection ultimately involves the use of regulations and common-sense measures that address well placement and agricultural practices near wells. For new well construction, the initial focus should be on appropriate well location and sound well-construction practices. For all wells, it is important to conduct management activities near the wellhead that are aimed at reducing the potential for contamination. Wellhead protection is one of the most effective ways of protecting ground water quality and preventing human exposure to accidental contamination.

Working Definition:

Wellhead protection is the establishment of protection zones and safe land use practices around wells to protect source waters from accidental contamination.

10.1 Well Planning and Protection

- ✓ 1. Construct new wells up-gradient as far as possible from likely pollutant sources such as petroleum storage tanks, septic tanks, chemical mixing areas, and livestock confinement facilities.

- ✓ 2. Contact your regional water management district to see if the well requires a consumptive use or water use permit. Wells that serve public water systems must also meet the rule requirements of Chapter 62-521, F.A.C.
- ✓ 3. Cap or valve any existing **artesian** (flowing) wells, in accordance with water management district requirements.
- ✓ 4. For potable wells, exclude livestock within a 75-foot radius of the wellhead. This radius can be reduced if well construction records demonstrate well casing depths that extend through confining layers.

10.2 Well Construction and Operation

- ✓ 1. Use a licensed Florida water well contractor and drill new wells according to local government code and water management district well construction permit requirements.
- ✓ 2. At a minimum, surround new wells with a concrete slab approximately four (4) inches thick with a two (2) foot radius. Extend the casing above the ground surface a minimum of 12".
- ✓ 3. Retrofit existing functional wells with a concrete collar with a one (1) foot radius or fence to protect them from damage.

✓ 4. Use backflow prevention devices at the well-head to prevent contamination.

■ Maintain records of new well construction or modifications to existing wells. Proper records are important for future reference, in case problems arise with the well.

Operation and Maintenance:

- Try to maintain permanent vegetation within a 75-foot radius around wells.
- Inspect wellheads and pads regularly for leaks or cracks, and make any necessary repairs.
- Consider testing drinking water wells annually for coliform bacteria contamination to protect public health.

References:

- (1) USDA-NRCS Water Well, Code 642; and Diversion, Code 362; FOTG-Section IV, <http://www.nrcs.usda.gov/technical/efotg>
- (2) Farm-A-Syst Program, <http://www.uwex.edu/farmasyst>
- (3) Aquifer Protection Program, SJRWMD, http://www.sjrwmd.com/technicalreports/pdfs/SP/SJ91-SP9_vol1.pdf
- (4) Water Well Permitting and Construction Requirements, FDEP Rule 62-532, F.A.C., <http://www.dep.state.fl.us/legal/Rules/rulelistnum.htm>



11.0 WETLANDS AND SPRINGS PROTECTION

Wetlands and springs are important components of Florida's water resources. They often serve as spawning areas and nurseries for many species of fish and wildlife, perform important flood-storage roles, cycle nutrients in runoff water, contribute moisture to the hydrologic cycle, add plant and animal diversity, provide flash grazing opportunities, and offer valuable recreational opportunities for the public.

Wetlands are complex transitional ecosystems that provide a link between aquatic and terrestrial environments. Under Florida Law, "wetlands" are defined as areas that are inundated or saturated by surface water or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soils. Florida wetlands generally include swamps, marshes, bayheads, bogs, cypress domes and strands, sloughs, wet prairies, riverine swamps, hydric seepage slopes, tidal marshes, mangrove swamps and other similar areas. They generally do not include longleaf or slash pine flatwoods with an understory dominated by saw palmetto.

Chapter 62-340, F.A.C., entitled "Delineation of the Landward Extent of Wetlands and Surface Waters" contains the methodology that must be used by all state and local governments in Florida to determine the boundary between wetlands and uplands and

other surface waters. The federal government (U.S. Army Corps of Engineers and USDA-NRCS) uses the "1987 Manual" to determine the boundary between uplands and waters of the United States, which includes wetlands in natural areas. The Food Security Act manual is used by USDA-NRCS to determine wetlands on agricultural lands. In most cases, the boundaries determined by both methodologies are the same or very close. Unauthorized impacts to wetlands may jeopardize USDA-NRCS cost-share benefits pursuant to the Food Security Act's Swampbuster provisions.

Springs, spring runs, and associated sinks are unique freshwater systems that emerge from the underlying limestone that is at or near the land surface. Springs are unique natural resource features and deserve special protection. Prior to substantial development in Florida, wetlands and spring systems once covered about half of the state's surface. That area has been greatly reduced, primarily because early water management efforts in Florida focused on draining wetlands to facilitate urban and agricultural lands development.

Working Definition:

Wetlands (defined in the glossary of this manual) are typically low landform areas with seasonal or permanent standing water that provide wildlife habitat and natural filtration. *Springs* are mostly

clear surface waters that are naturally low in nutrients and originate from ground water that emerges to the land surface.

11.1 Wetlands Protection and Impact Avoidance

- ✓ 1. Use a county soil survey map to help identify “wetland” or hydric soil types and/or other depressional or frequently flooded areas.
- ✓ 2. Use preservation, practical design alternatives, or modifications to eliminate or reduce adverse impacts to wetlands and springs
- ✓ 3. Maintain a minimum 25-foot vegetative buffer exterior to the landward extent of all wetlands that meet the state’s delineation methodology. If you have a water management district permit (ERP, MSSW), you must follow the buffer requirements in the permit.
- ✓ 4. Obtain a USDA-NRCS wetland determination prior to conducting activities in a wetland. Failure to do so may jeopardize your federal cost-share eligibility.

11.2 Water Quality Treatment and Field Discharges

- ✓ 1. Minimize adverse water quality impacts to receiving wetlands by using pretreatment practices such as filter strips, conservation buffers, swales, or holding water onsite. This can substantially reduce pollutants, especially suspended solids, and allow the wetland to more naturally assimilate nutrients.
- ✓ 2. Rotate livestock through the wetland grazing system at an accelerated pace when excessive rainfall or mud becomes a persistent problem.

- ✓ 3. Use spreader swales or other means to encourage sheetflow through the wetland buffer prior to discharging water from existing pasture ditches.

11.3 Special Criteria for First and Second Magnitude Springs

- ✓ 1. Maintain a 100-foot vegetative buffer from springs, spring runs, and wet sinks.
- ✓ 2. Use split-applications for fertilizers on pasture areas that contribute surface water directly to springs, spring runs, and wet sinks.

Operation and Maintenance:

- Limit the use of pesticides and fertilizers in and around wetlands and springs, and be careful to avoid spray drift impacts.

References:

- (1) USDA-NRCS Wetland Enhancement, Code 659; Prescribed Grazing, Code 528; Nutrient Management, Code 590; Filter Strip, Code 393; and Diversion, Code 362; FOTG-Section IV, 659, <http://www.nrcs.usda.gov/technical/efotg>
- (2) Water Management District’s Environmental Resource Permitting Rule and Basis of Review, <http://www.dep.state.fl.us/water/waterpolicy/districts.htm>
- (3) Protecting Florida’s Springs: Land Use Planning Strategies and Best Management Practices, Department of Community Affairs, www.dca.state.fl.us/fdcp/DCP/publications



12.0 PRESCRIBED BURNING

Burning is a natural phenomenon in the flatwoods, marshes, and sloughs that make up the major rangeland areas in the state. Controlled use of fire is a valuable management tool, and is a natural component in forming plant communities and their structure. Prescribed burning suppresses many undesirable plant species to maintain their natural balance, and enhances the palatability and nutritional value of edible plants for wildlife and livestock. Reducing overpopulated brush and woody components in pastures and rangeland increases herbaceous vegetation, resulting in better forage and water-filtering capability. Furthermore, when prescribed burning is used to recycle accumulated litter and excessive brush in a beneficial way, the threat of wildfire is reduced.

Rangeland plant communities that depend upon periodic fires will quickly shift into transitional plant communities dominated by woody species when burning is suppressed. This shift will often reduce the usable area for wildlife and livestock. This is compounded as shading from woody plants inhibits the growth of grasses and other herbaceous plants. In addition, increased soil moisture uptake as a result of the woody plant overstory limits the available water needed for production of forage and ground water recharge.

Working Definition:

Prescribed burning is a cost-effective tool to reduce fuel buildup that can cause dangerous wildfire conditions, thus providing improved habitat for range management and increased protection to people, their homes, and the forest.

12.1 Burn Preparation

- ✓ 1. Develop and implement a burn prescription plan that includes emergency contingencies, or enlist the help of a Certified Prescribed Burn Manager to conduct prescribed burns. Courses are available for training in the basics and regulations of burning.
- ✓ 2. Ensure no burning bans are in effect, and that the proper permits, certification, and landowner permission are obtained prior to burning. Prescribed burns must be conducted in accordance with Florida Forest Service rules and section 590.125, Florida Statutes.
- ✓ 3. Use burning in conjunction with roller chopping when developing pastures in native areas that have an abundance of palmettos.
- ✓ 4. Burn only when weather conditions are favorable. Check wind conditions to ensure smoke from the burn will not adversely impact roadways or neighboring properties. Never leave a burn unattended.

12.2 Construction Of Fire Lines

- ✓ 1. Carefully select fireline locations and avoid constructing them in wetlands. For firelines that are constructed with fencing through wetlands, follow the criteria in the "Fence Installation" BMPs.
- ✓ 2. Use alternatives to plowed firelines, such as harrowed strips, wet lines, or grass strips. Existing barriers such as roads, ditches or canals can also be used as firelines.
- ✓ 3. Construct firelines with the contour to minimize soil erosion.

12.3 Fire Safety And Control

- ✓ 1. Ensure that adequate fire equipment is on hand and that the fire does not burn too hot. An intense burn can overexpose the ground floor, leading to erosion and destruction of valuable habitat.
- ✓ 2. Ensure the fire is completely out before leaving the site.

Operation and Maintenance:

- Maintain soil stabilization practices until vegetation is re-established.
- Check fence posts and other infrastructure for integrity after intense burns.
- Grazing should be deferred for 30-90 days after a burn during the growing season. This will help ensure that new growth is able to re-establish.

References:

- (1) USDA-NRCS Prescribed Burning Code 338, FOTG-Section IV, <http://www.nrcs.usda.gov/technical/efotg>
- (2) Prescribed Burning Fact Sheet, USDA-NRCS
- (3) BMPs for Prescribed Burning, South Carolina Forestry Commission, <http://www.state.sc.us/forest/rbpb.htm>
- (4) Wisconsin DNR Water Quality BMP Field Manual <http://www.wi.gov/forestry/usesof/bmp/bmptoc.htm>
- (5) Prescribed Burning Regulations in Florida, UF-IFAS FOR-67, <http://edis.ifas.ufl.edu/FR055>
- (6) Section 590.125, Florida Statutes



13.0 INTEGRATED PEST MANAGEMENT AND PHARMACEUTICALS

Integrated pest management (IPM) is the approach of using scientific principles to manage problem pests. IPM does not mean that pesticides will be excluded. Instead, it means that pesticides are just one of many tools used to manage pests; however, pesticides should be used judiciously and only when needed. The goals of an IPM program are improved control of pests, more efficient pesticide management, more economical forage production, and reduction of potential hazards to humans and the environment through reduced pesticide exposure. IPM accomplishes these goals through the use of resistant plant species, improved cultural practices, biological control agents (parasitoids, predators), and selective use of pesticides. Although detailed IPM programs have not been developed for all types of cropping systems, IPM principles can be applied in many cases using applied science and logic. It is also important to predict economic losses and risks so the cost of various treatments can be compared to the potential losses.

Pharmaceutical misuse and waste handling, involving antibiotics and hormones, can have a negative impact on water quality and is an issue of increasing national concern. It is very important to use these products responsibly; therefore, follow all state and federal regulations and properly dispose of spent needles, expired or unused pharmaceuticals, and pharmaceutical containers.

Working Definition:

IPM is a broad, interdisciplinary approach to pest management using a variety of methods to systematically control pests.

13.1 General IPM Practices

- ✓ 1. Store pesticides in a roofed structure with a lockable door, at least 100 feet from surface waters.
- ✓ 2. When practical, construct a permanent mix/load facility with an impermeable surface, and locate it away from wells and/or surface waters. Where permanent facilities are not practical, use portable mix/load stations. When field mixing is necessary, loading activities should be conducted at random locations in the field with the aid of nurse tanks, if applicable. Use a check valve or air gap separation to prevent backflow into the tank when filling a sprayer.
- ✓ 3. Practice IPM and use all pesticides in accordance with the label. When applying a pesticide close to a stream, canal, pond or other sensitive waterbody, choose a pesticide with an active ingredient that has a lower toxicity to aquatic organisms.

- ✓ 4. Rinse, recycle, or dispose of empty pesticide containers following federal, state, and/or local regulations.

13.2 Pharmaceutical Use and Disposal

- ✓ 1. Use FDA-approved products and only mix enough product to administer to affected cattle, which will result in little to no waste product.
- ✓ 2. Follow label and dosing instructions to ensure that the proper dose is administered.
- ✓ 3. Dispose of spent needles and unused pharmaceutical products in a responsible manner. Contact a veterinarian to obtain a puncture-proof container that is labeled “Biohazard”. Dispose of spent needles in accordance with EPA guidelines and follow local solid waste regulations.

References:

- (1) Best Management Practices for Agrichemical Handling and Farm Equipment Maintenance, FDACS and FDEP. <http://www.floridaagwaterpolicy.com/BestManagementPractices.html>
- (2) Integrated Pest Management Program at the University of Florida. <http://ipm.ifas.ufl.edu/>
- (3) Use Management Practices to Protect Groundwater from Agricultural Pesticides, UF-IFAS, PI 1. <http://edis.ifas.ufl.edu/PI001>
- (4) Arsenic Contamination from Cattle-Dipping Vats, UF-IFAS, SL152. <http://edis.ifas.ufl.edu/SS205>
- (5) Management Practices to Protect Surface Water from Agricultural Pesticides, UF-IFAS, PI 22. <http://edis.ifas.ufl.edu/PI014>
- (6) Florida Cow-Calf and Stocker Beef Safety and Quality Assurance Handbook: Quality Control Points, UF-IFAS, Publication AN173. <http://edis.ifas.ufl.edu/AN173>
- (7) Disposal of Medical Sharps, EPA, www.epa.gov/osw/nonhaz/industrial/medical/disposal.htm

APPENDICES

APPENDIX 1. GENERAL BMP REFERENCES

The documents listed below are very good sources of information for producers to consult on agricultural and environmental issues.

General BMP References

- (1) *National Management Measures for the Control of Nonpoint Pollution from Agriculture*, U.S. Environmental Protection Agency, July 2003.

This manual provides guidance to States and the public regarding management measures that may be used to reduce nonpoint source pollution from agricultural activities. Chapter 4 deals with animal feeding operations and grazing management.

<http://www.epa.gov/nps/agmm/>

- (2) *Best Management Practices for Agrichemical and Farm Equipment Maintenance*, Florida Department of Agriculture and Consumer Services, Florida Department of Environmental Protection, February 2000.

This manual lists responsible handling and use of pest control products, and pollution prevention actions that can be implemented at farm maintenance areas that protect the environment.

<http://www.floridaagwaterpolicy.com/BestManagementPractices.html>

- (3) *Protecting Louisiana's Waters Using Best Management Practices*, Louisiana State University Agricultural Center, 2001.

This publication includes information on five main areas: nutrient management, pesticide management, soil and water management, pasture management and general farm BMPs.

<http://www.lsuagcenter.com/en/environment/conservation/bmps/Protecting+Louisianas+Waters+Using+Best+Management+Practices.htm>

- (4) *Protecting Florida's Springs: Land Use Planning Strategies and Best Management Practices*, Florida Department of Community Affairs and Florida Department of Environmental Protection, November 2002.

This guide provides an introduction on the hydrologic importance of springs, comprehensive planning strategies, other information to manage development impacts, and specific criteria for other industries.

<http://www.dca.state.fl.us/fdcp/DCP/publications>

- (5) *Beneficial Management Practices: Environmental Manual for Alberta Cow/Calf Producers*, Alberta Agriculture, Food and Rural Development, June 2004.

This manual was developed to inform and educate producers on beneficial management practices that can enhance soil, water, air and biodiversity. These BMPs protect the environment while keeping production practical and within the law.

[http://www1.agric.gov.ab.ca/\\$Department/dept-docs.nsf/all/epw8724](http://www1.agric.gov.ab.ca/$Department/dept-docs.nsf/all/epw8724)

University of Florida – Institute of Food and Agricultural Sciences References

- Standardized Fertilization Recommendations for Agronomic Crops*, UF-IFAS, Fact Sheet SL-129

This publication presents in abbreviated form the fertilization recommendations for agronomic crops based on soil tests performed by the UF/IFAS Extension Soil Testing Laboratory (ESTL). It contains the basic information from which ESTL soil-test reports and fertilization recommendations are generated.

<http://edis.ifas.ufl.edu/SS163>

- Integrated Pest Management Strategies*, UF-IFAS, Circular 1149

This circular describes the principles of integrated pest management (IPM) and advises strategies for implementation.

<http://edis.ifas.ufl.edu/LH080>

- Florida Crop/Pest Management Profile: Beef Cattle*, UF-IFAS, Circular 1259

This circular gives an overview of Florida's beef cattle industry and contains good information about pest control practices.

<http://edis.ifas.ufl.edu/PI043>

USDA – Natural Resources Conservation Service References

All references below accessed at:

<http://www.nrcs.usda.gov/technical/efotg>

- (1) Conservation Practice Standard No. 314
(Brush Management)
- (2) Conservation Practice Standard No. 338
(Prescribed Burning)
- (3) Conservation Practice Standard No. 342
(Critical Area Planting)
- (4) Conservation Practice Standard No. 382
(Fence)
- (5) Conservation Practice Standard No. 393
(Filter Strip)
- (6) Conservation Practice Standard No. 412
(Grassed Waterway)
- (7) Conservation Practice Standard No. 472
(Use Exclusion)
- (8) Conservation Practice Standard No. 528
(Prescribed Grazing)

APPENDIX 2. SETBACKS TABLE

Reference Table for Recommended Setbacks			
BMP #	Practice	Setback (Feet)	Hydrologic Feature Type
1.1.5	Fertilizer spreading	50	Wetlands, streams or sinkholes
1.3.3	Supplemental feeding and mineral stations	100	Watercourses, streams, wetlands, wells or sinkholes
2.2.1	Watering ponds	50*	Wetlands
2.3.3	Piped withdrawal of watercourses	100	Waterbody
8.1.1	New cowpens	200	Watercourses, streams, wetlands, wells or sinkholes
10.1.4	Livestock exclusion	75	Wellhead (potable wells)
11.1.3	Vegetative buffer	25	Wetlands
11.3.1	Vegetative buffer	100	Springs, spring runs, and wet sinks

* Check with the water management district to see if a greater setback is required.

APPENDIX 3. CONTACT INFORMATION

EMERGENCY INFORMATION

Emergency Reporting Numbers

State Warning Point <i>Division of Emergency Management - contact in case of oil or hazardous substance spill</i>	24 hours/ Toll-Free	1-800-320-0519
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Emergency Information and Follow-Up Numbers

State Emergency Response Commission <i>For follow-up reporting only. For an emergency, call the State Warning Point.</i>	Toll-Free	1-800-635-7179
State Warning Point Information Line	Monday - Friday, 8:00 AM - 5:00 PM	(850) 413-9900
DEP Emergency Response	Monday - Friday, 8:00 AM - 5:00 PM	(850) 245-2010

NON-EMERGENCY INFORMATION

Florida State Agency Numbers

Toll Free

Department of Agriculture and Consumer Services

Office of Agricultural Water Policy	(850) 617-1727
Division of Agricultural and Environmental Services	(850) 488-3731
Bureau of Pesticides	(850) 487-0532
Bureau of Compliance Monitoring	(850) 488-8731
Division of Animal Industry	(850) 410-0900

Department of Environmental Protection

Nonpoint Source Management Section	(850) 245-7508
Hazardous Waste Management Section	(850) 245-8707
Northwest District Office (Pensacola)	(850) 595-8300
Northeast District Office (Jacksonville)	(904) 807-3300
Central District Office (Orlando)	(407) 894-7555
Southeast District Office (West Palm)	(561) 681-6600
Southwest District Office (Tampa)	(813) 632-7600
South District Office (Ft. Myers)	(941) 332-6975

Water Management Districts

Northwest Florida (Tallahassee)	(850) 539-5999	
Suwannee River (Live Oak)	(386) 362-1001	1-800-226-1066
St. John's River (Palatka)	(904) 329-4500	1-800-451-7106
Southwest Florida (Brooksville)	(352) 796-7211	1-800-423-1476
South Florida (West Palm)	(561) 686-8800	1-800-432-2045

Other Helpful Numbers - Main offices, call to obtain local contact information

USDA-NRCS - Florida Main Office (Gainesville)	(352) 338-9500
UF/IFAS Extension Administration	(352) 392-1761
Association of Florida Conservation Districts <i>Soil and Water Conservation Districts</i>	(407) 321-8212

APPENDIX 4. ACRONYM LIST AND GLOSSARY

Adsorbed – Adhesion to a surface in a thin layer.

Animal Unit (AU) – Considered to be one mature cow of approximate 1000 pounds, either dry or with calf up to 6 months of age, or their equivalent, based on a standardized amount of forage consumed.

Aquifers – Soil or rock formations that contains ground water and serves as a source of water that can be pumped to the surface.

Artesian Well – A well from which water is forced out naturally under pressure. Artesian wells are bored where water in a layer of porous rock is sandwiched between two layers of impervious rock. Water flows up to the surface because distant parts of the aquifer are higher than the well-head.

Attenuate – To weaken or reduce in force, intensity, effect, quantity, or value.

Best Management Practice (BMP) – A practice or combination of practices determined by the coordinating agencies, based on research, field-testing, and expert review, to be the most effective and practicable on-location means, including economic and technological considerations, for improving water quality in agricultural and urban discharges. Best management practices for agricultural discharges shall reflect a balance between water quality improvements and agricultural productivity.

BMAP – Basin Management Action Plan.

BOD – Biochemical Oxygen Demand.

C:N – Carbon to Nitrogen ratio.

Continuous Grazing – The grazing of a specific unit by livestock throughout the year or for that part of the year during which grazing is feasible.

Conveyance Capacity – The amount of flow (generally expressed in cubic feet per second) that a canal/ditch can carry based on the size, shape, slope, and condition of the canal/ditch.

Cowpens – Fenced structure used to temporarily confine cattle for examination, medication, vaccination, administering parasite control, weighing, sorting, and /or identification. Confinement is commonly less than 12 hours, but occasionally cattle may be retained for up to one week. Pens are denuded of vegetation if heavily used, but contain vegetation when lightly used.

C-139 Basin – A SFWMD regulatory sub-basin wholly contained within Hendry County.

EAA – Everglades Agricultural Area

EDIS – Electronic Document Information System.

EPA – Environmental Protection Agency.

ERP – Environmental Resource Permit.

Eutrophication – A process whereby watercourse, such as lakes, estuaries, or slow-moving streams receive excess nutrients that stimulate excessive plant growth.

Evapotranspiration (ET) – The water lost to the atmosphere by evaporation and transpiration. Evaporation is the loss from open bodies of water and transpiration is the loss from living-plant surfaces.

FCWA – Federal Clean Water Act.

FDACS – Florida Department of Agriculture and Consumer Services.

FDEP – Florida Department of Environmental Protection.

FDOH – Florida Department of Health.

Flash-Grazing – The concept of grazing a normally excluded area with a large number of cattle for a short period of time, generally not exceeding three days.

FOTG – Field Office Technical Guide.

F.S. – Florida Statutes.

FWRA – Florida Watershed Restoration Act.

Gully Erosion – The erosion process whereby water accumulates in narrow channels and, over a short period time, removes the soil from this narrow area to considerable depths, ranging from one to two feet deep.

Hydraulic Drawdown – The amount by which the water level in an aquifer or water table is further lowered, when the water from that aquifer or water table is continually removed by man-made means (pumps, canals/ditches).

IPM – Integrated Pest Management.

MSSW – Management and Storage of Surface Waters.

N – Nitrogen.

NOI – Notice of Intent.

Normal Pool – A water level elevation based on consideration of biological indicators of sustained inundation, using reasonable scientific judgment used to standardize measurements of water levels and facilitate comparison among wetlands.

P – Phosphorus.

Paddocks – A subdivision of a pasture designed to provide short-duration grazing followed by an appropriate (related to species, soil type and weather conditions) rest period for regrowth and stand maintenance.

Perennial Streams – Streams or rivers that flow in a well-defined channel throughout most of the year under typical climatic conditions.

PPM – Parts per Million.

Prescribed Grazing – The controlled harvest of vegetation with grazing or browsing animals managed with the intent to achieve a planned objective(s).

Resource Management System-Level

Conservation Plan – is a record of the decisions and supporting information for treatment of a unit of land or water consistent with the NRCS Field Office Technical Guide (FOTG) quality criteria for soil, water, air, plants, and animals, and takes into account economic and social considerations. The plan must be consistent with the NRCS National Planning Procedures Handbook, as amended, be approved by NRCS or an authorized technical service provider, and specify the schedule of operations and activities needed to address identified natural resource issues. For purposes of this definition, the plan must be updated at least every five years.

Rill Erosion – An erosion process in which numerous small channels only several inches deep are formed, occurs mainly on recently cultivated fields, cuts and fills and canal banks. Rills are smaller than gullies and can be driven across.

Rinsate – The solution remaining after rinsing something.

Riparian – Vegetated ecosystems along a watercourse through which energy, materials, and water pass. Riparian areas characteristically have a high water table and are subject to periodic flooding and influence from the adjacent watercourse.

Rip-rap – Large, loose angular stones that serve as a permanent erosion-resistant ground cover.

Rotational Grazing – Rotational grazing is the grazing of two or more subdivisions of pasture in sequence, followed by a rest period for recovery and re-growth.

Septage – A mixture of sludge, fatty materials, human feces, and wastewater removed during the pumping of an onsite sewage treatment and disposal system.

Sorbed – The action of a substance which is either adsorbed or absorbed onto another substance.

Spoil – The soil material obtained from excavating an area to construct such works as canals/ditches and /or ponds. This material is typically used to build berms and/or dikes along or in the vicinity of the excavation site.

Supplemental Feeding – Supplying feed to range

animals when available forage is too limited to meet their minimum daily requirement.

SWCD – Soil and Water Conservation District.

TMDL – Total Maximum Daily Load.

Treatment Train – A combination of nonstructural and structural practices which have been determined to be effective for reducing or preventing pollution.

Turbid – In relation to water, it is described by having an opaque and cloudy appearance and containing suspended solids or other pollutants that may limit light penetration.

Turnout – The extension of a road ditch into a vegetated area to provide for the dispersion and filtration of stormwater runoff.

UF-IFAS – University of Florida, Institute of Food and Agricultural Sciences.

USDA-NRCS – United States Department of Agriculture, Natural Resources Conservation Service.

USGS – United States Geological Survey.

Water Control Structures – Any structure used to regulate surface or subsurface water levels.

Watercourse(s) – Any natural or man-made (ditch or canal) water feature that flows continuously or intermittently. For the purposes of this manual, watercourses do not include wetlands as part of their definition.

Watersheds – Described as drainage basins or regions of land where surface water drains downhill into a specified body of water.

Waters of the State – Defined in section

403.031(13), Florida Statutes, to include, but not limited to, rivers, lakes, streams, springs, impoundments, wetlands, and all other waters or bodies of water, including fresh, brackish, saline, tidal, surface, or underground waters. Waters owned entirely by one person other than the state are included only in regard to possible discharge on other property or water. Underground waters include, but are not limited to, all underground waters passing through pores of rock or soils or flowing through in channels, whether manmade or natural. Solely for purposes of s. 403.0885, waters of the state also include navigable waters or waters of the contiguous zone as used in s. 502 of the Clean Water Act, as amended, 33 U.S.C. ss. 1251 et seq., as in existence on January 1, 1993, except for those navigable waters seaward of the boundaries of the state set forth in s. 1, Art. II of the State Constitution.

Wetlands – As defined in section 373.019(25), Florida Statutes, wetlands means those areas that are inundated or saturated by surface water or groundwater at a frequency and a duration sufficient to support, and under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soils. Soils present in wetlands generally are classified as hydric or alluvial, or possess characteristics that are associated with reducing soil conditions. The prevalent vegetation in wetlands generally consists of facultative or obligate hydrophytic macrophytes that are typically adapted to areas having soil conditions described above. These species, due to morphological, physiological, or reproductive adaptations, have the ability to grow, reproduce, or persist in aquatic environments or anaerobic soil conditions. Florida wetlands generally include swamps, marshes, bayheads, bogs, cypress domes and strands, sloughs, wet prairies, riverine swamps and marshes, hydric seepage slopes, tidal marshes, mangrove swamps and other similar areas. Florida wetlands generally do not include longleaf or slash pine flatwoods with an understory dominated by saw palmetto.

WMD – Water Management District.

APPENDIX 5. NUTRIENT BUDGET WORKSHEET

Land User:	County:	Date:
Prepared By:	Field #(s):	

Table 1 – Field Conditions and Recommendations

Crop sequence/rotation (circle current crop)			Expected yield
Current soil test levels (ppm)			
P	K	pH	
Recommended nutrients/amendments to meet expected yield			
N	P ₂ O ₅	K ₂ O	Lime

Table 2 – Nutrient Sources

Credits	Pounds per acre		
	N	P ₂ O ₅	K ₂ O
1. Nitrogen credits from previous legume crop			
2. Residual from long-term manure application			
3. Irrigation water			
4. Other (e.g., atmospheric deposition)			
5. Total credits			
Plant available nutrients applied to field	N	P ₂ O ₅	K ₂ O
6. Credits (from row 5, above)			
7. Fertilizer			
8. Manure/organic material			
9. Subtotal (sum of lines 6, 7, and 8)			
10. Nutrients recommended (from table 1)			
11. Nutrient status (subtract line 10 from line 9)			
<i>If line 11 is a negative number, this is the amount of additional nutrients needed to meet the crop recommendation.</i>			
<i>If line 11 is a positive number, this is the amount by which the available nutrients exceed the crop requirements.</i>			

Nutrient Management Specifications			
Amount to be applied (lb/ac)	N	P ₂ O ₅	K ₂ O
Method, form, and timing of application:			

Instructions to Complete the Nutrient Budget Worksheet

1. Table 1 – Field Conditions and Recommendations

- Enter the crop rotation and circle the current crop (Ex: Bermudagrass, hay or bahiagrass, grazed).
- Enter expected yield (Ex: 5 tons/ac if the crop was bermudagrass, hay or 20 animal unit month (AUM) if the crop was bahiagrass, grazed).
- Enter current soil test levels (ppm). These test levels should be from a Mehlich 1 test, which is what the UF/IFAS soil testing lab uses. A current soil test for phosphorus application should be one that is no more than 1 year old. If applying nutrients at maintenance levels on pasture and hayland, then a soil test should be no older than 5 years.
- Enter recommended nutrients/amendments to meet expected yield. If applying commercial fertilizers the recommendations will come from the UF/IFAS Circular SL-129 – Standardized Fertilization Recommendations for Agronomic Crops dated June 2007. If applying manures or organic by-products (i.e., municipal or sewage sludge), the recommendations will come from crop uptake rates from UF/IFAS research or from book values in the USDA-NRCS Agricultural Waste Management Handbook, Chapter 6. The lime value will come from the soil test results sheet.

2. Table 2 – Nutrient Sources

- Line 1 – Enter credits from previous legume crop. This credit is the amount of estimated nitrogen in pounds per acres that a legume (i.e., clovers, perennial peanut, soybeans) will add to the soil, so the preceding crop can use it. Amounts of nitrogen can be obtained from UF/IFAS research publications such as: Nitrogen Fixation and Inoculation of Forage Legumes, SS-AGR-56.
- Line 2 – Enter residual from long-term manure application. This credit is the amount of nitrogen in pounds per acre from manure application. The amount of nitrogen that becomes available depends on the rate of mineralization or decay and this decay depends on the type of manure and the length of time that it is on the field. For example fresh cow manure that is incorporated into the soil daily has a decay rate of 0.75; 0.15; 0.10; 0.05. This means that 75 percent of the

incorporated nitrogen becomes available the first year, 15 percent of the remaining nitrogen becomes available in the second year, 10 percent of the remainder in the third year, and so on. So, with enough time 100 percent will become available for the plant to use. Book values for the mineralization can be found in the NRCS Agricultural Waste Management Handbook, Chapter 11 or from UF/IFAS research.

- Line 3 – Enter nutrient amounts from irrigation water. The irrigation water will need to be tested to determine what nutrient levels are present.
- Line 4 – Enter other credits. These can come from items such as atmospheric deposition, which only accounts for about 3 lbs of N, .35 lbs of P₂O₅, and .48 lbs of K₂O.
- Line 7 – Enter the nutrient amounts for commercial fertilizer.
- Line 8 – Enter the nutrient amounts for manure/organic material. These amounts will come from the analysis of the manure or organic material.
- Line 9 – Enter the sum of the credits, commercial fertilizer, and the manure/organic material.
- Line 10 – Enter the nutrients that were recommended to meet the expected yield from Table 1.
- Line 11 – Subtract the nutrients recommended from the sum of the credits, fertilizer, and manure. If this number is negative then additional nutrients need to be applied to meet the crop recommendation. If this number is positive then the available nutrients exceed the crop requirements and adjustments need to be made to limit overloading of nutrients.

3. Nutrient Management Specifications

- Enter the amount of the nutrients to be applied, which will come from the calculations in Table 2.
- Enter a description of the application method (i.e., broadcast with a spreader, applied through an irrigation system), form of the fertilizer (i.e. liquid, granular, or manure), and the timing of the application (i.e. date of application, growth stage of the crop).

(Adapted from USDA-NRCS literature)

EXAMPLE (BAHIAGRASS) WORKSHEET

Land User:	County:	Date:
Prepared By:	Field #(s):	

Table 1 – Field Conditions and Recommendations

Crop sequence/rotation (circle current crop)			Expected yield
<i>Bahíagrass, graze</i>			<i>100 AUM</i>
Current soil test levels (ppm)			
P	K	pH	
<i>20 ppm</i>	<i>30 ppm</i>	<i>5.5</i>	
Recommended nutrients/amendments to meet expected yield			
N	P ₂ O ₅	K ₂ O	Lime
<i>50 (Low - N option)</i>	<i>0</i>	<i>0</i>	<i>0</i>

Table 2 – Nutrient Sources

Credits	Pounds per acre		
	N	P ₂ O ₅	K ₂ O
1. Nitrogen credits from previous legume crop	<i>0</i>		
2. Residual from long-term manure application	<i>0</i>		
3. Irrigation water	<i>0</i>	<i>0</i>	<i>0</i>
4. Other (e.g., atmospheric deposition)	<i>0</i>	<i>0</i>	<i>0</i>
5. Total credits	<i>0</i>	<i>0</i>	<i>0</i>
Plant available nutrients applied to field	N	P ₂ O ₅	K ₂ O
6. Credits (from row 5, above)	<i>0</i>	<i>0</i>	<i>0</i>
7. Fertilizer	<i>50</i>	<i>0</i>	<i>0</i>
8. Manure/organic material	<i>0</i>	<i>0</i>	<i>0</i>
9. Subtotal (sum of lines 6, 7, and 8)	<i>50</i>	<i>0</i>	<i>0</i>
10. Nutrients recommended (from table 1)	<i>50</i>	<i>0</i>	<i>0</i>
11. Nutrient status (subtract line 10 from line 9)	<i>0</i>	<i>0</i>	<i>0</i>
<i>If line 11 is a negative number, this is the amount of additional nutrients needed to meet the crop recommendation.</i>			
<i>If line 11 is a positive number, this is the amount by which the available nutrients exceed the crop requirements.</i>			

Nutrient Management Specifications						
Amount to be applied (lb/ac)	N	<i>50</i>	P ₂ O ₅	<i>0</i>	K ₂ O	<i>0</i>
Method, form, and timing of application: <i>Broadcast 147 lbs/ac of ammonium nitrate (34-0-0) granules.</i>						
<i>Apply in the early spring and incorporate into the soil immediately after application.</i>						

APPENDIX 6. SOIL AND TISSUE TESTING INFORMATION

Soil Testing

The soil testing process comprises four major steps, and understanding each one clearly will increase the reliability of the process tremendously. The steps in the soil testing process are:

- soil sampling
- sample analysis
- interpretation of test results
- nutrient recommendations

Soil Sampling: Soil samples need to be representative of the field and soil types and the soil analysis results will be only as good as the submitted sample is. Samples collected from areas that differ from typical characteristics of the farm should be submitted separately and should not be consolidated with the primary samples. Using a management zone (area on the farm that is managed similarly) as a guiding factor to collect and consolidate samples is strongly recommended to optimize resources. Consult the IFAS Extension Fact Sheet SL181 for further information on soil sampling strategies. Ranchers can use the soil test sheet on page 71 when they have bahia grass in a phosphorus. For other forages and bahia grass in areas that are not phosphorus-limited, use the soil test sheet which can be found at: <http://edis.ifas.ufl.edu/pdf/files/SS/SS18600.pdf>.

Sample Analysis: The soil samples that are submitted to the testing laboratories undergo a series of physical and chemical processes that are specific to the soil types, crops, and management regimes. Once the soil samples are homogenized through grinding and/or sieving, a precise volume of the sample will be extracted for plant nutrient through an extraction procedure. The following standard methods are approved by the IFAS Soil Testing Laboratories for different soils in Florida:

- a) Mehlich-1 extraction - this method is performed on all acid-mineral soils up to a soil pH of 7.3.
- b) AB-DTPA extraction - this method is performed on alkaline (calcareous) soils with a pH of 7.4 and above.
- c) Water extraction - this method is used for extraction of P in all organic soils.
- d) Acetic acid extraction - this method is performed on all organic soils for extraction of K, Mg, Ca, Si, and Na.

It is extremely important that procedures used at the laboratories are well understood before sub-

mitting the samples since most BMPs are tied to the standardized procedures used by the labs at the land-grant universities in the state such as UF/IFAS. Similarly, it is also very important to note that the IFAS laboratory does not offer any test for N since there is no reliable test for plant available N under Florida conditions. N recommendations are based on crop nutrient requirements found in the research literature. More information regarding the procedures used at the IFAS Extension Soil Testing Laboratory in Gainesville can be found in the extension publication, Circular 1248.

Interpretation of Test Results: The primary goal of state laboratories in offering the soil testing service is to provide interpretation of the soil test results based on soil test-crop response trials and field calibration of the test results with the optimum economic yields of the various plant species. Economic yield increases resulting from added nutrients cannot be obtained once the test results are interpreted as 'High' resulting in no recommendation for that particular nutrient. The interpretations provided are specific to the soil and plant species.

Current interpretation tables can be obtained from SL 189 - IFAS extension fact sheet.

Tissue Testing

Tissue testing is the analysis and diagnosis of the plant's nutritional status based on its chemical composition. It is commonly performed as analyses on dried blades, leaves or dried *petioles* or on sap from fresh *petioles*, with results compared to recommended nutrient ranges.

Efficient fertilizer management is important to reduce costs, conserve natural resources, and to minimize potential impacts on the environment. These goals can be achieved through optimum management of the fertilizer component. Timely tissue testing is an important tool used in fertilizer management through monitoring the plant's nutritional status, and such testing is also used in diagnosing suspected problems like nutritional deficiency, toxicity or imbalance. As a management tool, tissue testing can increase a rancher's return by preventing deficiencies that can reduce yield(s), market quality, and profitability.

Methodology: Begin sampling soon after the crop is established and continue at regular intervals (weekly or biweekly). Individual plants, even side-by-side, may have different nutritional status.

Therefore, by sampling a sufficiently large number of plants, the effect of this error due to inherent variability should be minimized. It is preferable to include a soil sample together with a tissue sample when submitting samples to a diagnostic lab, since the soil sample may indicate other factors - such as pH - that may influence crop growth, nutrient availability, and uptake. Avoid plant tissue testing if the field has received foliar nutrient sprays containing micronutrients or nutrient-containing pesticides. Also, avoid sampling plants damaged by pests, diseases, or other chemicals when trying to monitor the nutritional status of the sod.

Whole-leaf sampling will be most useful early in the season, while later in the season, it can help to point to changes in fertilization practices that are needed for the next season. Fresh petiole sap testing for N and K, practiced regularly throughout the season, can help manage the current crop as well as provide guidance for the next crop. Sample a recently matured leaf blade. Collect enough leaf material so that the sample is representative of the crop stand, and that the sample is large enough to perform the required analyses.

If a deficiency is suspected, collect one *composite sample* from the area exhibiting the disorder and a second sample from an otherwise “normal” section for comparison when trying to diagnose a nutrient deficiency. Separate and properly label the “disorder” sample and the “normal” sample in order to make a valid comparison after analyses. Keep notes on condition of the sod and stage of growth, weather, and other variables for future reference.

Be careful not to crush or damage samples during cleansing. Avoid using tap water to rinse blade samples, since it can be high in nutrients such as calcium, iron, magnesium, or sulfate sulfur. Use distilled water instead. In most situations, cleansing

is not needed. Blot the samples dry with absorbent paper after rinsing, and air-dry the samples several hours before shipment. Wrap the samples in absorbent paper and place them in a large envelope if a plant analysis kit is not available, and mail immediately.

Select a reputable laboratory that provides interpretations and recommendations based upon test results appropriate for your growing region. Interpretation guidelines should be based on actual field research, not on “typically observed” or historical lab databases. The laboratory should be reliable and certified and also offer a routine turnaround of less than 48 hours.

For more information please see SL 131, Plant Tissue Information Sheet, Soil and Water Science Department, Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida. Last revised July 2005.
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References:

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<http://edis.ifas.ufl.edu/SS401>.



IFAS Analytical Services Laboratories Extension Soil Testing Laboratory

PO Box 110740 / Wallace Building 631, UF / Gainesville, FL 32611-0740
EMAIL: SOILSLAB@IFAS.UFL.EDU WEBSITE: SOILSLAB.IFAS.UFL.EDU

Producer Bahia Test Information Sheet

Note: This Lab only tests samples from the State of Florida.

Mailing Address (please print)

Name _____ Phone _____

Address _____

City _____ FL Zip _____

Date _____ E-Mail * _____

- This form can be downloaded from our website.
- Detailed information on this test can be obtained from SL129 accessed at edis.ifas.ufl.edu
- For further information contact your local county Extension Agent

* In order to expedite reporting of results; please provide an e-mail address if possible.

Fill in all requested information, using one line per sample and additional sheets for more than 5 samples.

Lab Use only	County	Test(s) Requested (see Page 2 or back)	Acreage	Sample ID For Soil	Sample ID For Leaf Tissue	Cost

Check _____ Money Order _____ Cash _____ Total _____

Important Information for Soil Sample Collection and Submission

Before Sampling:

1. Develop a soil sampling plan of your field. Samples should represent the area being tested, so collect samples from areas that are of the same soil type, appearance, or cropping history. Sample problem areas separately, if needed. From this plan, count the number of samples you will collect.
2. Soil sample bags, addressed shipping boxes, and information sheets are available free from your county Cooperative Extension office. Obtain the materials you need to complete your sampling plan.

Collecting Samples:

1. Collect soil from 20 or more spots within each area, mixing these samples in a clean plastic bucket.
2. Sample from soil surface to depth of tillage, usually 0 to 6 inches. For pastures, sample from 0 to 4 inch depth.
3. Spread the composited material on clean paper or other suitable material to air dry. Do not send wet samples.
4. Mix the dry soil, and place about one pint of soil in a labeled sample bag.

Sending samples to the Extension Soil Testing Laboratory:

1. Enter each sample's identification on its sample bag and in the Soil Sample Identification column. List each sample separately.
2. Lime and fertilizer recommendations are provided only if the crop code(s) is listed.
3. Include the analysis code for each desired test.
4. Enter costs from the Analysis Cost list found on page 2 of this form.
5. Sum the costs of all samples and analyses. Make check or money order payable to: **University of Florida**.
6. Include the completed Producer Bahia Test Information Sheet and the check or money order in the shipping box with the sample(s).

Test results:

A soil test report will be emailed / mailed to you within 5 to 10 days after your sample arrives at the Extension Soil Testing Laboratory. Contact your county Extension office if you have questions concerning the Bahia Test Report.

Revised February 2009

How To Take, Prepare, and Submit Plant Tissue Samples (for Analysis B1)

1. Ensure that each sample contains at least a generous handful of plant material (around half a gallon).
2. Do not sample leaves contaminated with soil or sprays. If all tissue is dusty or spray contaminated, wash leaves gently with flowing distilled water.
3. Do not sample disease-, insect-, or mechanically damaged plant tissue.
4. Place tissue samples directly into a clean paper or cloth bag or envelope. Do not use plastic containers. If the plant tissue is wet or succulent, allow plant material to air dry for at least one day, before mailing.
5. When sampling suspected nutrient-deficient plants, two samples are recommended; one sample from normal plants, and another sample from abnormal plants.
6. When sampling, the plant part and plant maturity are important factors. Be sure to collect the proper plant part at the recommended time. A general rule of thumb is to sample the youngest, fully mature leaves during the growth cycle, or just prior to fruit set.
7. Please do not provide any roots along with the sample.

Important Information

There are three types of tests available for Bahiagrass pastures in Florida (see Table below for details)

Phosphorus Testing and Recommendation for Bahiagrass

- Soil tests alone are not adequate for determining P fertilization needs of Bahiagrass.
- A tissue and soil test must be submitted together to determine P fertilization needs.
- Phosphorus should not be applied if tissue P is at or above 0.15% even if soil tests Very Low or Low for P.
- If P recommendations are not desired and the producer only is interested in K, Mg, Ca levels and pH then a Standard Producer Soil Test will apply. This WILL NOT include P fertilizer recommendations.

Analysis Test Code	Analysis Name	Determinations Made	Analysis Cost
B1	Standard Soil and Tissue Test	pH, lime requirement, P, K, Ca, Mg	\$15.00
1	Standard Soil Test	pH, lime requirement, K, Ca, Mg and P test value only	\$7.00
2	pH and Lime Requirement	pH and lime requirement	\$3.00
3	Micronutrient Test	Cu, Mn, Zn	\$5.00

APPENDIX 7. INCENTIVE PROGRAMS FOR QUALIFYING FARMS

The implementation of Best Management Practices can reduce non-point sources of pollution, conserve valuable soil and water resources, and improve water quality. The implementation of these management practices can also be expensive and, in some cases, may not be economically feasible for agricultural producers. To reduce the financial burden associated with the implementation of selected practices, several voluntary cost-share programs have been established. These programs are designed to conserve soil and water resources and improve water quality in receiving watercourses. The narrative below is intended to provide basic information regarding the primary federal, state, and regional cost-share programs. Sources of additional information have also been included, and ranchers are encouraged to contact the identified agencies or organizations for current information about each program.

I. Programs Administered by USDA - Farm Services Agency (FSA):

Conservation Reserve Program (CRP): This program encourages farmers to convert highly erodible cropland or other environmentally sensitive lands to vegetative cover including grasses and/or trees. This land use conversion is designed to improve sediment control and provide additional wildlife habitat. Program participants receive annual rental payments for the term of the contract in addition to cost share payments for the establishment of vegetative cover. CRP generally applies to highly erodible lands and is more applicable to North Florida.

Conservation Reserve Enhancement Program (CREP): CREP uses a combination of federal and state resources to address agricultural resource problems in specific geographic regions. This program (which is not limited to highly erodible lands) is designed to improve water quality, minimize erosion, and improve wildlife habitat in geographic regions that have been adversely impacted by agricultural activities.

Emergency Conservation Program (ECP): The ECP provides financial assistance to farmers and ranchers for the restoration of farmlands on which normal farming operations have been impeded by natural disasters. More specifically, ECP funds are available for restoring permanent fences, terraces,

diversions, irrigation systems, and other conservation installations. The program also provides funds for emergency water conservation measures during periods of severe drought.

For further information on CRP and CREP, including eligibility criteria, please contact your local USDA Service Center. Information is also available on the Internet at www.fsa.usda.gov.

II. Programs Administered by USDA - NRCS:

Environmental Quality Incentives Program (EQIP): EQIP provides financial assistance for the implementation of selected management practices. Eligibility for the program requires that the farm have a USDA-NRCS approved Conservation Plan. Practices eligible for EQIP cost share are designed to improve and maintain the health of natural resources and include cross-fences, water control structures, brush management, prescribed burning, prescribed grazing, nutrient management and other erosion control measures.

Conservation Security Program (CSP): CSP is a voluntary conservation program that supports ongoing stewardship on private lands. It rewards farmers and ranchers who are meeting the highest standards of conservation and environmental management. Its mission is to promote the conservation and improvement of soil, water, air, energy, plant and animal life.

Wetlands Reserve Program (WRP): WRP is a voluntary program designed to restore wetlands. Program participants can establish easements (30-year or perpetual) or enter into restoration cost-share agreements. In exchange for establishing a permanent easement, the landowner usually receives payment up to the agricultural value of the land and 100 percent of the wetland restoration cost. Under the 30-year easement, land and restoration payments are generally reduced to 75 percent of the perpetual easement amounts. In exchange for the payments received, landowners agree to land use limitations and agree to provide wetland restoration and protection.

Wildlife Habit Incentives Program (WHIP): The Wildlife Habitat Incentives Program provides financial incentives for the development of fish and wildlife habitat on private lands. Program eligibility requires that landowners develop and implement

a Wildlife Habitat Development Plan. Participants enter multiyear (5 to 10 year) agreements with USDA-NRCS.

For further information on these programs, including eligibility criteria, please contact your local USDA Service Center. Information is also available on the Internet at the following web site: www.nrcs.usda.gov

III. Programs Administered by State and Regional Entities:

Soil and Water Conservation Districts: In order to assist agricultural producers in the implementation of BMPs, the Florida Department of Agriculture and Consumer Services has executed a number of cost-share contracts with several of the state's Soil and Water Conservation Districts and Resource Conservation and Development Councils, Inc. Many of these cost-share contractors administer cost-share programs using *Applicant's Handbooks* which include reimbursement rates and rancher selection criteria.

Water Management District Cost Share Memoranda: The Department of Agriculture and Consumer Services has executed Memoranda of Agreement (MOA) with certain Water Management Districts to provide coordination for BMP cost-share programs. Each MOA will identify the primary program areas within the District's geographical boundaries, and designates the agency responsible for program administration.

For further information on these programs, including eligibility criteria, please contact your regional Water Management District, local Soil and Water Conservation District or the Florida Department of Agriculture and Consumer Services. Information and links to other sites are also available on the Internet at the following web site: www.floridaagwaterpolicy.com

APPENDIX 8. EXAMPLE RECORD KEEPING FORMS

Ranchers are required to keep accurate records to document BMP implementation. Record keeping also aids ranchers in operating and maintaining BMPs, and is required for the following BMP Groups:

- 1.1 **Fertilizer Management** - Maintain records of fertilizer application. Records should include soil test analysis, date of application, fertilizer formulation, application rate, location and acreage, and work-sheet results
- 3.1 **Prescribed Grazing** - Maintain grazing records by pasture, and develop a contingency plan for floods and droughts in order to adjust the required grazing demands.
- 3.2 **Comprehensive Prescribed Grazing** - Keep records on stocking numbers, grazing days, and length of rest periods for each pasture or field.
- 5.2 **Ditch Construction and Maintenance** - Keep records of all ditch maintenance activities, and keep any records that relate to ditch design cross-sectional area.
- 10.2 **Well Construction and Operation** - Maintain records of new well construction or modifications to existing wells. Proper records are important for future reference, in case problems arise with the well.

The tables below correspond to of all the record-keeping requirements contained in this manual. They serve as a set of templates to develop your own record-keeping system. You may maintain your records as hard copies or in an electronic format, depending on your preference. You may use these tables, develop your own, or choose commercially available record-keeping software suited to your commodity.

Soil Sample Records				
Date	Field Location	# of Samples	Name of Lab	Records Location

Tissue Sample Records				
Date	Field Location	# of Samples	Name of Lab	Records Location

Fertilization/Nutrient Records						
Date	Location	Acreage Covered	Type ¹	Formulation ²	Analysis ³	Rate (Lbs/Acre)

Rainfall (in.)											
Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.

Well Records					
Location	Year Constructed	Constructed By	Last Modified	Modified By	Records Location

Ditch/Waterway Records				
Location	Design Cross-Section ⁴	Current Cross-Section ¹	Date of Last Cross-Section Inspection	Records Location

Grazing Rotations					
Pasture Location	Pasture Size	Stocking Rate (Head/Acre)	Forage Type	# of Days Grazed	Date Last Grazed

¹ Organic, Inorganic, Chemical

² Granular, Water Soluble, etc.

³ e.g. 10-10-10

⁴ Ditch Invert and side slopes

APPENDIX 9. EMPLOYEE TRAINING POINTS

Good Housekeeping and Pollution Prevention

- Stress the importance of protecting water quality and the environment, as stewards of the land
- Stress the importance of ranch and facility appearance
- Have a schedule or plan for mowing or grazing grassed waterways and filter strips
- Plan for maintenance activities on access roads
- Have a schedule or plan to remove mineral or feeding areas
- Properly maintain cowpen runoff management areas
- Properly store potential pollutants in a designated area
- Secondary containment for above ground storage tanks (fuel, oil, etc.)
- Discuss proper storage, use and disposal of solvents and degreasers, as well as paints, used oil, anti-freeze and batteries
- Discuss ways to handle potential pollutants to reduce the chance of a spill

Animal Mortality Management

- Movement of dead animals away from waterbodies
- Proper disposal methods for your operation
- Reduction of third party inquiries due to improper management

Nutrient Management and Spreading

- Proper forage tissue and soil analysis (apply only what the plant needs)
- Discuss timing of fertilizer application
- Discuss locations to avoid when spreading fertilizer materials
- Discuss proper storage, loading and calibration of equipment

Proper Operation and Maintenance of Facilities

- Inform employees about filter strips, grassed waterways, and waste storage ponds
- Discuss the preventive maintenance schedule for all control facilities (dams, dike, terraces, diversions, berms)
- Discuss facility inspections
- Discuss proper procedures for reporting and repairing problems with control facilities
- Record rainfall using rain gauges
- Have a measuring device in retention ponds
- Have a wastewater discharge plan

Documentation and Records Retention

- Stress importance of record keeping
- Have a schedule for retaining records
- List activities and events that should be documented

For example:

- Fertilizer rate/location/date
- Irrigation amounts applied and rainfall
- Well construction
- Pesticide spraying
- Hazardous waste disposal
- Ditch maintenance activities
- Grazing days and rest periods

EMPLOYEE TRAINING RECORD

Date: _____

Topic(s) Discussed:

Employee(s)

Present Responsibility

Employee(s)	Present Responsibility

Trainer: _____

Signature: _____

APPENDIX 10. GUIDANCE FOR STORMWATER MANAGEMENT

- Contact your local NRCS District Conservationist to obtain information about the soil types for the proposed location. The District Conservationist can identify soil types that are historically prone to flooding or standing water. Evaluate the storage capacity, size, and elevations of existing ditches, ponds, creeks, rivers, and wetlands, and the size, layout, and elevations of the fields. You should also contact your county or water management district to obtain maps (FEMA, FIRM) or other information related to flooding issues at the proposed or existing location. You can access this information via the web at <http://www.fema.gov/hazard/map/firm.shtm>.
 - Determine the maximum storm size for which you want to provide flood protection. The flood control design storm addressed by WMD ERP regulations varies from a 25-year, 24-hour storm to a 100-year, 3-day storm. For example, a 25-year, 24-hour storm produces from 8 to 10 inches of rainfall in a 24-hour period. Generally, the larger the design storm event used, the more extensive the stormwater management system needs to be. Factors that will affect this decision include land availability, the existence of internal natural features such as creeks, rivers, ponds, or wetlands, the potential to flood downstream property owners, and costs.
 - Consult with a public or private agricultural engineer to discuss your stormwater management needs and considerations, especially if you are farming on poorly drained lands. Find an engineer qualified to provide an appropriate stormwater runoff analysis for your site.
- Include both nonstructural pollution prevention BMPs and structural BMPs, as needed and feasible to meet desired stormwater management objectives. If structural BMPs are needed, determine what is appropriate for your farm characteristics and stormwater management objectives. Each of the WMD ERP regulations and handbooks include specific design guidelines for various structural stormwater BMPs. The construction of a stormwater management system (e.g., retention or detention pond) may require an ERP or other WMD surface water management permit. Therefore, please check with your water management district before beginning construction of any stormwater management system. Typical structural BMPs include:
 - Retention basins that capture stormwater and allow it to percolate into the soil, evaporate, or transpire. These infiltration BMPs are used in areas with sandy soils and a wet-season water table that is at least two feet beneath the bottom of the retention basin. Special designs are needed in Karst areas or springsheds to minimize movement of pollutants, especially nutrients, into the ground water.
 - Wet detention ponds that capture stormwater, detain it, and slowly release the runoff to downstream waters or stormwater systems. Wet ponds are used in areas with a high water table.
 - Grassed waterways used to convey stormwater to structural BMPs. Grassed waterways also help filter runoff and, in many cases, allow stormwater to infiltrate.
 - Typical nonstructural BMPs include field buffers, riparian buffers, nutrient management, minimizing soil compaction and impervious areas.

APPENDIX 11

Notice of Intent and BMP Checklist



ADAM H. PUTNAM
COMMISSIONER

Florida Department of Agriculture and Consumer Services
Office of Agricultural Water Policy

FDACS- OAWP
1203 Governor's Sq. Blvd.
Suite 200
Tallahassee, FL 32301

NOTICE OF INTENT TO IMPLEMENT WATER QUALITY BMPs FOR FLORIDA COW/CALF OPERATIONS (2008)

Rule 5M-11.004, F.A.C.

- **Complete all sections of the Notice of Intent (NOI).** Each NOI may list only properties that are within the same county and are owned or leased by the same person or entity, and on which applicable BMPs will be identified and implemented under this manual.
- Submit the **NOI**, along with the **BMP Checklist**, to the Florida Department of Agriculture and Consumer Services (FDACS), at the address below.
- **Keep a copy of the NOI and the BMP checklist in your files** as part of your BMP record keeping.

You can visit <http://www.freshfromflorida.com/onestop/forms/01520.pdf> to obtain an electronic version of this Notice of Intent to Implement (NOI) form.

If you would like assistance in completing this NOI form or the BMP Checklist, or with implementing BMPs, contact FDACS staff at (850) 617-1727 or AgBmpHelp@freshfromflorida.com.

Mail this completed form and the BMP Checklist to: **FDACS Office of Agricultural Water Policy**
1203 Governor's Square Boulevard, Suite 200
Tallahassee, Florida 32301

Person To Contact

Name: _____

Business Relationship to Landowner/Leaseholder: _____

Mailing Address: _____

City: _____ State: _____ Zip Code: _____

Telephone: _____ FAX: _____

Email: _____

Landowner or Leaseholder Information (check all that apply)

NOTE: If the Landowner/Leaseholder information is the same as the Contact Information listed above, please check: **Same as above.** If not, complete the information below.

Name: _____

Mailing Address: _____

City: _____ State: _____ Zip Code: _____

Telephone: _____ FAX: _____

Email: _____

Complete the following information for the property on which BMPs will be implemented under this NOI. You may list multiple parcels if they are located within the same county and are owned or leased by the same person or entity.

Operation Name: _____

County: _____

Tax Parcel Identification Number(s) from County Property Appraiser

Please submit a copy of your county tax bill(s) for all enrolled property, with owner name, address, and the tax parcel ID number(s) clearly visible. **If you cannot provide a copy of the tax bill(s), please write the parcel owner's name and tax parcel ID number(s) below in the format the county uses.** Attach a separate sheet if necessary (see form provided).

Parcel No.: _____ Parcel Owner: _____

Additional parcels are listed on separate sheet. (check if applicable)

Total # of acres of all parcels listed (as shown property tax records): _____

Total # of acres on which BMPs will be implemented under this NOI: _____

In accordance with section 403.067(7)(c)2, Florida Statutes, I submit the foregoing information and the BMP Checklist as proof of my intent to implement the BMPs applicable to the parcel(s) enrolled under this Notice of Intent.

Print Name: _____
(check all that apply) Landowner Leaseholder Authorized Agent (see below)*

*Relationship to Landowner or Leaseholder: _____

Signature: _____ Date: _____

Name of Staff Assisting with NOI: _____

NOTES:

1. You must keep records of BMP implementation, as specified in the BMP manual. All BMP records are subject to inspection.
2. You must notify FDACS if there is a full or partial change in ownership with regard to the parcel(s) enrolled under this NOI.
3. Please remember that it is your responsibility to stay current with future updates of this manual. Visit the following website periodically to check for manual updates: www.floridaagwaterpolicy.com

Additional Tax Parcel Listings

Operation Name: _____

County: _____

Parcel No.: _____ Parcel Owner: _____

FLORIDA COW/CALF WATER QUALITY BMP CHECKLIST

Checklist Instructions:

Note: Before you fill out this checklist, follow the section on BMP Enrollment and Implementation, which begins on page 3 of this manual. You must read the BMPs in Sections 1.0 - 13.0 before filling out the checklist, in order to know what the practices entail. The checklist summaries are for identification purposes only.

1. Check "In Use" for each BMP that you are currently practicing and will continue to practice. If you have a Conservation Plan, enter the FOTG code number in the "In Use" column for all currently implemented practices contained in the plan that are covered in the checklist, and place a check mark in the column for currently implemented practices not contained in the plan.
2. For the applicable BMPs you do not implement currently but will implement, enter the month and year you plan to implement them in the "Planned" column. Where relevant, enter the FOTG code number and month/year of planned implementation in the "Planned" column. Schedule BMPs to be implemented as soon as practicable. FDACS rule requires that applicable Level I BMPs in the manual be implemented as soon as practicable, but not later than 18 months after submittal of the Notice of Intent (NOI) to Implement. This timeline applies to all practices in a Conservation Plan that are identified under the Level I BMPs in the checklist. If you need additional time to implement the following Level I BMPs, you must justify the time needed in the space provided at the end of the checklist: 2.2 Upland Pond Construction Criteria; 2.3 Other Watering Sources; 5.3 Installation of Water Control Structures; 6.3 Riparian Buffer.
3. If you have a Conservation Plan, make sure you identify in the checklist all applicable BMPs that are in the plan and those that are not in the plan. If the plan contains practices that are not covered in the BMP checklist, list the FOTG code number and the names of those practices in the space provided at the end of the checklist.
4. For BMPs you will not implement, check all of the following that apply under "Will Not Implement":
 - NA = Not Applicable (you do not have a resource concern that requires use of the BMP)
 - TNF = Technically Not Feasible
 - ENF = Economically Not Feasible
 - Other – If you select "Other," please explain your reason in the comments section at the end of the form.
5. Make sure you are aware of and follow the record-keeping requirements. BMP groups that include record keeping are marked by the following pencil icon: 
6. Mail this BMP checklist with your NOI form to FDACS, and keep a copy of both documents in your files. If you have developed a Conservation Plan, submit a copy of the plan along with the NOI and checklist.

BMP #	BMP Group (See body of manual for full description)	In Use/CP#	Planned	Will not implement (check reason below)			
		Check below/ Enter FOTG #	Enter month/ year	NA	TNF	ENF	Other

1.0 Nutrient Management

1.1. Level I - Fertilizer Management

1. Use Mehlich-1 soil test results or equivalent to determine P application rate						
2. Determine supplemental fertilizer needs using appendix 5 worksheet						
3. Use IFAS publication SL-129 to determine fertilization rates						
4. Time fertilizer applications for maximum nutrient uptake						
5. Prevent spreading fertilizer material within 50' of streams, sinkholes, or wetlands						

BMP #	BMP Group (See body of manual for full description)	In Use/CP#	Planned	Will not implement (check reason below)			
		Check below/Enter FOTG #	Enter month/year	NA	TNF	ENF	Other
1.2. Level I - Residuals or Biosolids Application							
	1. Follow FDEP/FDOH regulations for residuals/septage application						
	2. Request the Calcium Carbonate Equivalency and nutrient analysis of treated biosolids						
	3. Obtain copy of FDEP "Agricultural Use Plan"						
1.3. Level I - Animal Nutrition and Feedstock							
	1. Manage supplemental feed to avoid high nutrient loads						
	2. Locate confined feeding areas away from sensitive features						
	3. Locate mineral and supplemental feed 100' from sensitive features						
1.4. Level I - Animal Waste Management							
	1. Manage livestock distribution to reduce waste accumulation						
	2. Use concentrated on-site manure sources for fertilizer						
2.0 Alternative Cattle Water Sources							
2.1. Level I - Water Needs Inventory							
	1. Inventory existing water sources and compare to livestock demand						
	2. Review water management district records on regional well water quality data						
2.2. Level I - Upland Pond Construction Criteria							
	1. Construct ponds less than 2 acres and locate at least 50' from wetlands, or further based on water management district requirements						
	2. Construct cattle access areas with minimum 3:1 slope						
2.3. Level I - Other Watering Sources							
	1. Locate troughs/shade to keep cattle from streams or watercourses						
	2. Construct troughs/tanks with stable base						
	3. Extend pipe at least 100' from waterbody						
3.0 Prescribed Grazing							
3.1. Level I - Prescribed grazing guidelines 							
	1. Manage forages/pastures to promote plant vigor, prevent erosion and maintain soil moisture						
	2. Use rotational grazing or other measures for regrowth						
	3. Manage wetlands through flash grazing or exclusion						
3.2. Level II - Comprehensive Prescribed Grazing 							
	1. Develop grazing schedules based on NRCS Code 528						
	2. Incorporate cross-fencing in larger pastures						

BMP #	BMP Group (See body of manual for full description)	In Use/CP#	Planned	Will not implement (check reason below)			
		Check below/ Enter FOTG #	Enter month/ year	NA	TNF	ENF	Other

4.0 Sediment and Erosion Control Measures

4.1. Level I - General Erosion and Sediment Control Measures

1. Minimize vegetation clearing during construction						
2. Clear land during dry season						
3. Vegetate road banks and disturbed areas within 14 days of construction						
4. Use rock crossings for low flow streams						
5. Manage livestock to prevent erosive trails						

4.2. Level I - Silt Fences

1. Use silt screens (less than 3 months) for sheet flow						
---	--	--	--	--	--	--

4.3. Level II - Check Dams

1. Install check dams perpendicular to flow						
---	--	--	--	--	--	--

4.4. Level II - Sediment Traps

1. Install sediment traps within conveyance system or near cowpens						
2. Retrofit associated sediment trap structures with flashboard risers						

4.5. Level III - Grade Stabilization Structures

1. Clear construction area of debris						
2. Vegetate disturbed areas within 14 days of construction						
3. Fence around structure to exclude livestock						
4. Install structures during the dry season						
5. Follow criteria for fill placement and spreading per this BMP						
6. Prevent damage from overtopping the structure, and divert excess flows						
7. Follow earth embankment side slope specifications per this BMP						
8. Obtain technical assistance as needed						

5.0 Water Resources Management

5.1. Level I - Water Supply

1. Know quantity/quality of irrigation source						
2. Determine water requirements for forage grasses						

5.2. Level I - Ditch Construction and Maintenance

1. Follow appropriate grades and plans during ditch excavation						
2. Use appropriate setbacks to avoid hydraulic drawdown impacts to wetlands						
3. Use structural control measures in areas with high water velocity						
4. Control broadleaves to maintain permanent vegetative cover						
5. Remove unconsolidated sediments from ditches						

BMP #	BMP Group (See body of manual for full description)	In Use/CP#	Planned	Will not implement (check reason below)			
		Check below/ Enter FOTG #	Enter month/ year	NA	TNF	ENF	Other
5.3. Level I - Installation of Water Control Structures							
	1. If economically feasible, install water control structures to rehydrate wetlands that have offsite flows						
	2. Maintain boards in all structures to reduce discharge volume						
5.4. Level I - Grassed Waterways							
	1. Install grassed waterways per USDA-NRCS specifications						
6.0 Conservation Buffers							
6.1. Level I - Field Borders							
	1. Install and maintain field borders at perimeter on new improved pastures						
	2. Time planting borders for plant survival and consider using native species						
6.2. Level I - Filter Strips							
	1. Install filter strip to treat runoff from concentrated livestock areas						
	2. Follow filter strip construction criteria in this BMP						
6.3. Level I - Riparian Buffers							
	1. Install and maintain riparian buffer if > 1% slope, and follow NRCS criteria						
7.0 Fence Installation							
7.1. Level I - General Fence Installation							
	1. Minimize soil and vegetative disturbances while clearing land						
	2. Select materials based on purpose and site conditions						
	3. Adjust stocking rates or subdivide larger pastures						
	4. Stabilize streambanks and provide alternative water sources in improved pastures, or install exclusion fencing						
	5. Provide riparian buffer in native or semi-improved pastures that runoff to perennial streams						
7.2. Level I - Fence Installation in Wetlands							
	1. Minimize use of mechanical equipment, and limit clearing to 12' on either side of fence						
	2. Perform work during the dry season						
7.3. Level II - Livestock Use Exclusion							
	1. In area regulated by water management district, install exclusion fencing 300' from discharge point						
	2. In area not regulated by water management district, install exclusion fencing 500' from discharge point						
	3. Install exclusion fencing adjacent to perennial streams where significant erosion occurs						

BMP #	BMP Group (See body of manual for full description)	In Use/CP#	Planned	Will not implement (check reason below)			
		Check below/Enter FOTG #	Enter month/year	NA	TNF	ENF	Other

8.0 High-Intensity Areas

8.1. Level I - High-Intensity Area Management							
1. Locate new cowpens 200' from sensitive features; use berm							
2. Direct runoff from high-intensity areas away from sensitive features							

8.2. Level II - Design Retrofits							
1. Use aggregate materials to prevent erosion							
2. Treat discharges occurring into sensitive features							

9.0 Animal Mortality

9.1. Level I - Sanitation and Disease Control Measures							
1. Transport carcasses in a sanitary manner							
2. Clean equipment that comes into contact with carcasses							
3. Report dangerous diseases to the state veterinarian (refer to list in this BMP)							

9.2. Level I - Disposal							
1. Move carcasses to upland areas							
2. Locate burial sites at least 200' from sensitive features and 50' from adjacent property							

9.3. Level I - Rendering and Incineration							
1. Use a licensed rendering/incinerating facility							

10.0 Wellhead Protection for Drinking Water Wells

10.1. Level I - Well Planning and Protection							
1. Construct new wells upgradient from likely pollutant sources							
2. Research well permit requirements							
3. Cap or valve free-flowing wells							
4. Keep livestock 75' from potable wells							

10.2. Level I - Well Construction and Operation 							
1. Use a Florida-licensed water well contractor							
2. Follow pad and casing specifications in this BMP							
3. Retrofit existing wells with concrete collar and fence							
4. Use backflow prevention devices at the wellhead							

11.0 Wetlands and Springs Protection

11.1. Level I - Wetland Protection and Impact Avoidance							
1. Identify wetland or hydric soil types using soil survey							
2. Eliminate or reduce adverse impacts to wetlands							
3. Maintain a 25' vegetative buffer from wetlands, or follow buffers prescribed in your WMD permit							
4. Obtain a USDA-NRCS wetland determination prior to conducting activities in a wetland							

BMP #	BMP Group (See body of manual for full description)	In Use/CP#	Planned	Will not implement (check reason below)			
		Check below/Enter FOTG #	Enter month/year	NA	TNF	ENF	Other

11.2. Level I - Water Quality Treatment and Field Discharges

1. Use pretreatment practices to protect wetlands						
2. Rotate livestock through wetlands at accelerated pace						
3. Use spreader swales or other means to encourage sheetflow						

11.3. Level I - Special Criteria for First and Second Magnitude Springs

1. Maintain a 100' vegetative buffer around spring features						
2. Use split applications of fertilizers on pasture areas that discharge to spring features						

12.0 Prescribed Burning

12.1. Level I - Burn Preparation

1. Develop and implement a burn prescription plan, or use a Certified Prescribed Burn Manager						
2. Obtain burn permit from DOF and heed burning bans						
3. Use burning in conjunction with roller chopping in areas with an abundance of palmettos						
4. Burn only when weather conditions are favorable						

12.2. Level I - Construction of Firelines

1. Carefully select fireline locations and avoid constructing them in wetlands						
2. Use alternatives to plowed firelines						
3. Construct firelines with the contour to minimize soil erosion						

12.3. Level I - Fire Safety and Control

1. Have adequate fire equipment and control burn temperature						
2. Ensure fire is completely out before leaving the site						

13.0 Integrated Pest Management and Pharmaceuticals

13.1. Level I - General IPM Practices

1. Store pesticides in roofed structure with lockable door, at least 100' from surface water						
2. Use appropriate mix/load sites and measures, per this BMP						
3. Practice IPM and use all pesticides in accordance with label						
4. Rinse, recycle, or dispose of empty pesticide containers following all applicable regulations						

13.2. Level I - Pharmaceutical Use and Disposal

1. Use FDA-approved products, and mix only the amount needed						
2. Follow label and dosing instructions						
3. Dispose of spent needles and unused pharmaceutical products responsibly						

**GUARANTEE BOND TO DEMONSTRATE FINANCIAL ASSURANCE
FOR LONG TERM MANAGEMENT**

Project: South Pasture Extension Mine

Government Authorizations:

Government Entity	Permit/Authorization	Effective Date
United States Army Corps of Engineers	CWA 404 Permit No. SAJ-1993-01395 (IP-JPF)	TBD

Date Bond Executed: _____, 2016

Effective Date: _____, 2016

Principal: Mosaic Fertilizer, LLC, a Delaware Limited Liability Company

Surety: Berkley Insurance Company

Obligee: State of Florida, Department of Environmental Protection

Scope of Coverage: Active management of the compensatory mitigation required by CWA 404 Permit No. SAJ-1993-01395 (IP-JPF), (hereafter “DA Permit”), issued by the U.S. Army Corps of Engineers (“USACE”), after performance standards have been achieved, if necessary to ensure the long-term sustainability of the mitigation, in accordance with the DA Permit Number and the approved Long Term Management Plan (collectively the “Long Term Management Requirements”).

Total Penal Sum of Bond: **Three Million, Five Hundred Fifty Eight Thousand, Seven Hundred Fifty and 0/00 Dollars**
(\$ 3,558,750.00)

Surety’s Bond Number: _____

Period of Coverage: This Bond shall continue to be effective until notification is received from the State of Florida, Department of Environmental Protection (“FDEP”), after prior notice to the USACE in accordance with the USACE Notice Requirements set forth below, that financial assurance for the Long Term Management Requirements of the DA Permit is no longer necessary and may be terminated. The Surety shall not terminate this Bond until notice to the USACE has been provided in accordance with the USACE Notice Requirements set forth below.

KNOW ALL PERSONS BY THESE PRESENTS, that we, the **Principal** and **Surety**, are held and firmly bound to the State of Florida, Department of Environmental Protection (“Department”), in the aggregate Total Penal Sum stated above, for the payment of which we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally; provided that, where the Sureties are corporations acting as co-sureties, we, the Sureties, bind

ourselves in such sum “jointly and severally” only for the purpose of allowing a joint action or actions against any or all of us, and for all other purposes each Surety binds itself, jointly and severally with the Principal, for the payment of such sum only as is set forth opposite the name of such Surety, but if no limit of liability is indicated, the limit of liability shall be the full amount of the Total Penal Sum.

Bond Obligations. The conditions of the obligations are such that the Principal shall complete the Long Term Management Requirements of the DA Permit, pursuant to all applicable terms of the DA Permit, USACE-approved Long Term Management Plan, and applicable laws, statutes, rules, and regulations, as such laws, statutes rules and regulations may be amended, to the satisfaction of the USACE.

The Surety shall become liable on this Bond obligation only when the Principal has failed to fulfill the conditions described above.

Upon notification to the Surety by the Secretary of the FDEP, after notice to the USACE District Engineer, that the Principal has failed to perform the Long Term Management Requirements for which this Bond guarantees performance, the Surety shall, within sixty (60) days of receiving such notice, place funds equaling the costs required to correct the violation, in the amount determined by the FDEP after notice to the USACE, into a Standby Trust Fund established for the benefit of FDEP.

Upon notification by the FDEP that the Principal has failed to provide alternate financial assurance and obtain written approval of such assurance from the FDEP during the 90 days following receipt by the Principal, the FDEP, and the USACE of a notice of cancellation of the Bond, the Surety shall place funds equaling the Total Penal Sum of this Bond into a Standby Trust Fund or as otherwise directed by the FDEP.

The Surety hereby waives notification of amendments to the Long Term Management Requirements of the DA Permit and the USACE-approved Long Term Management Plan and agrees that no such amendment shall in any way alleviate its obligation on this Bond.

USACE Notice Requirements. In addition to all other requirements imposed on the Principal and Surety herein, the Surety shall provide the following notices to the USACE:

1. The Surety shall provide notice to the USACE at least 120 days in advance of any termination or revocation of this Bond by the Surety, in accordance with Special Condition # ___ of the DA Permit; and
2. The Surety shall provide notice to the USACE at least 30 days in advance of modifications, amendments, partial releases, or disbursements, in accordance with Special Condition # ___ of the DA Permit.

PROVIDED HOWEVER, that this Bond is executed by the Surety and accepted by the FDEP and is further subject to the following conditions:

1. This long-term Bond shall become effective on _____ and shall continue in force for a one (1) year period from the Effective Date stated herein.
2. The aggregate liability of the Surety under the Bond shall not exceed the Total Penal Sum. The liability of the Surety shall not be discharged by any payment or succession of payments hereunder, unless and until such payment or payments shall amount in the aggregate to the Total Penal Sum of this Bond, but in no event shall the aggregate obligation of the Surety hereunder exceed the amount of said Total Penal Sum.
3. Upon the receipt of notice from the USACE that a compensatory mitigation area has developed to the point where the mitigation is self-sustaining and active management measures are no longer needed to fulfill the objectives of that project, or alternatively, that additional active management measures must be implemented, the FDEP, as Obligee, agrees to accept from the Surety riders hereto increasing or reducing the Total Penal Sum of this Bond.
4. Principal shall establish a Standby Trust Account to accept payments from this instrument. All amounts paid by the Surety, at the direction of the FDEP after notice to the USACE, are to be directly deposited into the said Standby Trust Account naming FDEP as beneficiary for distribution by the Trustee in accordance with the instructions of FDEP, after notice to the USACE.
5. The Surety may cancel this Bond only by sending notice of cancellation to the Principal, the FDEP, and the USACE, provided, however, that no such cancellation shall be effective during the 120-day period beginning on the date of receipt of the notice of cancellation by the Principal, the FDEP, and the USACE.
6. The Principal may terminate this Bond only by sending written notice of termination to the Surety, the FDEP, and the USACE, provided, however, that no such termination shall become effective unless and until the Surety receives written authorization for termination of this Bond by the FDEP, after notice to the USACE.

All notices, demands and correspondence with respect to this bond shall be in writing and addressed to:

The Surety at:

Berkley Insurance Company
475 Steamboat Road
Greenwich, CT 06830
Attn: Chris Nolan

The Principal at:

Mosaic Fertilizer LLC
13830 Circa Crossing Drive
Lithia, Florida 33547
Attn: Director, Mine Permitting

The Obligee at:

State of Florida, Department of Environmental Protection
Division of Water Resource Management
Shared Services – Beaches & Mining Funding Assistance
2600 Blair Stone Road – MS 3511
Tallahassee, Florida 32399
Attn: Barbara Owens, Audit Administrator

The U.S. Army, Corps of Engineers at:
U.S. Army Corps of Engineers
Regulatory Division, Mining Team
10117 Princess Palm Avenue, Suite 120
Tampa, FL 33610-8302

IN WITNESS WHEREOF, the Principal and Surety have executed this Bond and have affixed their seals on the date set forth above.

The persons whose signatures appear below hereby certify that they are authorized to execute this Guarantee Bond on behalf of the Principal and Surety and that the wording of this Guarantee Bond is in substantial conformance with that specified in Form No. 62-330.301(6) which has been incorporated by reference in paragraph 62-330.301 (5) (f) of the Florida Administrative Code; any such deviations from the form have been identified for the FDEP's review and approval.

Principal: Mosaic Fertilizer LLC

Name: _____
Courtney Mattson

Title: Vice President - Treasurer

Surety: Berkley Insurance Company

Name: _____
Sandra M. Winsted

Title: Attorney-in-Fact

STATE OF FLORIDA

**Standby Trust Fund Agreement
To Demonstrate Construction/Implementation Financial Assurance**

TRUST AGREEMENT, the "Agreement," entered into as of _____, 2016 by and between Mosaic Fertilizer, LLC, a Delaware limited liability company (the "Grantor"), and Wells Fargo Bank, National Association, a national bank (the "Trustee").

WHEREAS, Grantor has received from the State of Florida, Department of Environmental Protection ("Department"), one or more Environmental Resource Permits ("ERP") identified in Attachment A hereto, which authorize the construction and implementation of compensatory mitigation at the locations also identified in Attachment A;

WHEREAS, Grantor has received from the U.S. Army Corps of Engineers ("USACE"), one or more permits issued pursuant to Section 404, Clean Water Act (33 USC §1344), identified in Attachment A hereto, which authorize the construction and implementation of compensatory mitigation at the specific locations identified in Attachment A;

WHEREAS, the individual ERP and Section 404 Permits (collectively the "Permits") require the permittee to design, construct, monitor, and maintain the required compensatory mitigation until the mitigation has achieved the specified performance standards (collectively the "Mitigation Requirements") and maintain that condition as specified in the Long Term Management Plan;

WHEREAS, the Permits and applicable Florida and Federal laws and regulations, require that the Grantor, as permittee shall, provide financial assurance that funds will be available when needed to perform the monitoring and maintenance in the event Grantor fails to properly and timely perform the Long Term Management Plan requirements;

WHEREAS, the Grantor has elected to establish the Financial Instruments identified in Attachment A to serve as the funding mechanism for the financial assurance required for performance of the Mitigation Requirements for the Permits, and to establish a standby trust account to accept payments from the Financial Instruments;

WHEREAS, the Grantor, acting through its duly authorized officers, has selected the Trustee to be the trustee under this agreement, and the Trustee is willing to act as trustee,

NOW, THEREFORE, the Grantor and the Trustee agree as follows:

Section 1. Definitions. As used in this Agreement:

- (a) The term "Grantor" means Mosaic Fertilizer, LLC, a Delaware limited liability company, who enters into this Agreement, and any successors or assigns of the Grantor.
- (b) The term "Trustee" means Wells Fargo Bank, National Association, a National bank, who enters into this Agreement, and any successor Trustee.

(c) The term "Department" means the State of Florida, Department of Environmental Protection, a public entity in the State of Florida or any successor thereof.

(d) The term "USACE" means the U.S. Army Corps of Engineers, a United States federal agency under the Department of Defense.

(e) The term "investment obligations" means:

(i) United States of America Treasury and Federal agency securities or other obligations issued or unconditionally guaranteed as to principal and interest by the United States of America, in each case with maturities of not more than one year from the date acquired;

(ii) Demand deposits, certificates of deposit, bankers acceptances and time deposits of any bank organized or licensed to conduct a banking business under the laws of the United States of America or any state thereof having capital, surplus and undivided profits of not less than \$100,000,000, and whose deposits are insured by the Federal Deposit Insurance Corporation or any successor thereof;

(iii) Securities of entities incorporated under the laws of the United States of America or any State thereof commonly known as "commercial paper" that at the time of purchase have been rated and the ratings for which are not less than "P1" if rated by Moody's Investors Services, Inc., and not less than "A1" if rated by Standard and Poor's Corporation, in each case with maturities of not more than one year from the date acquired;

(iv) State or local government securities, which debt obligations at the time of purchase are rated investment grade by one or more nationally recognized rating agencies, in each case with maturities of not more than one year from the date acquired;

(v) Repurchase obligations with any banking or financial institution described in clause (ii) above which are fully collateralized at all times by any of the foregoing obligations;

(vi) Corporate fixed income securities whose ratings at the time of purchase are rated not less than "A-" if rated by Standard and Poor's Corporation and "A3" if rated by Moody's Investors Services, Inc. in each case with maturities of not more than one year from the date acquired; and

(vii) Investments in any one or more professionally managed money market funds generally regarded as investment grade with a portfolio size of not less than \$100,000,000.

Section 2. Identification of Financial Assurance Instruments. This Agreement pertains to the Financial Instruments established to satisfy the financial assurance obligations of the corresponding Permits as set forth in Attachment A.

Section 3. Standby Trust. This Trust shall remain dormant until funded with the proceeds from the Financial Instruments identified in Attachment A, pursuant to the specific conditions thereof. The Trustee shall have no duties or responsibilities beyond safekeeping this Agreement. Upon funding, this Trust shall become active and shall be administered pursuant to the terms of this Agreement.

Section 4. Establishment of Fund. The Grantor and the Trustee hereby establish a Trust Fund (the “Fund”), for the benefit of the Department. The Grantor and the Trustee intend that no third party have access to the Fund except as herein provided. The Fund is established initially as a standby to receive payments of the proceeds from the Financial Instruments identified in Attachment A hereto and shall not consist of any property. Such payments made by the Grantor pursuant to the Department’s instructions are transferred to the Trustee and referred to as the Fund, together with all earnings and profits thereon, less any payments or distributions made by the Trustee pursuant to this Agreement. The Fund shall be held by the Trustee, IN TRUST for the benefit of the Department, as hereinafter provided. The Trustee shall not be responsible nor shall it undertake any responsibility for the amount or adequacy of, nor any duty to collect from the Grantor, any payments necessary to discharge any liabilities of the Grantor established by the Department.

Section 5. Initial Payments Comprising the Fund. Initial Payments made to the Trustee for the Fund shall consist of cash or securities acceptable to the Trustee and shall consist initially of the proceeds from one or more of the Financial Instruments identified in Attachment A hereto.

Section 6. Additional Payments to the Fund. After the initial deposit of principal into the Fund, the Grantor shall increase the principal if so required by the Department or by the USACE pursuant to applicable law, regulations or requirements of the Permits identified in Attachment A. Such deposit may be in cash or securities acceptable under Section 1(d) hereof.

Section 7. Payment for Performing Long Term Management Requirements. The Trustee shall make payments from the Fund as the Secretary of the Department, or his/her designee, shall direct in writing for performance of the Long Term Management Plan in the event the Department determines that Grantor has failed to properly and timely perform the monitoring and maintenance, in accordance with one or more of the Permits identified in Attachment A. The Trustee shall reimburse persons specified by the Department from the Fund for performance of specified Mitigation Requirements in such amounts as the Department shall direct in writing. Prior to making any payments from the Fund, the Trustee shall confirm that the Department has consulted with the USACE regarding the Department’s determination of Grantor’s failure to perform the Mitigation Requirements and use of the Funds for corrective action. In addition, the Trustee shall refund to the Grantor such amounts as the Department specifies in writing as unnecessary or excessive corpus for purposes of the Trust. Upon refund, such funds shall no longer constitute part of the Fund as defined herein.

The Fund may not be drawn upon to cover any of the following:

- (a) Any obligation of Grantor under a workers’ compensation, disability benefits, or unemployment compensation law or other similar law;
- (b) Bodily injury to an employee of Grantor arising from, and in the course of employment by Grantor;
- (c) Bodily injury or non-realty property damage arising from the ownership, maintenance, use, or entrustment to others by Grantor of any aircraft, motor vehicle, or watercraft;
- (d) Property damage to any property owned, rented, loaned to, in the care, custody, or control of, or occupied by Grantor that is not the direct result of performing the Mitigation Requirements; or

(e) Bodily injury or property damage for which Grantor is obligated to pay damages by reason of the assumption of liability in a contract or agreement.

Section 8. Trustee Management. The Trustee shall invest and reinvest the principal and income of the Fund in one or more investment obligations and keep the Fund invested as a single fund, without distinction between principal and income, in accordance with general investment policies and guidelines. In investing, reinvesting, exchanging, selling, and managing the Fund, the Trustee shall discharge its duties with respect to the Fund solely in the interest of the beneficiary and with the care, skill, prudence, and diligence under the circumstances then prevailing which persons of prudence, acting in a like capacity and familiar with such matters, would use in the conduct of an enterprise of a like character and with like aims; except that:

- (a) Securities or other obligations of the Grantor, or any other owner or operator, or any of their affiliates as defined in the Investment Company Act of 1940, as amended, 15 U.S.C. 80a-2.(a), shall not be acquired or held, unless they are securities or other obligations of the Federal or a state government;
- (b) The Trustee is authorized to invest the Fund in time or demand deposits of the Trustee, to the extent insured by an agency of the Federal or a state government; and
- (c) The Trustee is authorized to hold cash awaiting investment or distribution uninvested for a reasonable time and without liability for the payment of interest thereon.

Section 9. Commingling and Investment. The Trustee is expressly authorized in its discretion:

- (a) To transfer from time to time any or all of the assets of the Fund to any common, commingled, or collective trust fund created by the Trustee in which the Fund is eligible to participate, subject to all of the provisions thereof, to be commingled with the assets of other trusts participating therein; and
- (b) To purchase shares in any investment company registered under the Investment Company Act of 1940, 15 U.S.C. 80a-1 et seq., including one which may be created, managed, underwritten, or to which investment advice is rendered or the shares of which are sold by the Trustee. The Trustee may vote such shares in its discretion.

Section 10. Express Power of Trustee. Without in any way limiting the powers and discretion conferred upon the Trustee by the other provisions of this Agreement or by law, the Trustee is expressly authorized and empowered:

- (a) To sell, exchange, convey, transfer, or otherwise dispose of any property held by it, by public or private sale. No person dealing with the Trustee shall be bound to see to the application of the purchase money or to inquire into the validity or expediency of any such sale or other disposition;

- (b) To make, execute, acknowledge, and deliver any and all documents of transfer and conveyance and any and all other instruments that may be necessary or appropriate to carry out the powers herein granted;
- (c) To register any securities held in the Fund in its own name or in the name of a nominee and to hold any security in bearer form or in book entry, or to combine certificates representing such securities with certificates of the same issue held by the Trustee in other fiduciary capacities, or to deposit or arrange for the deposit of such securities in a qualified central depository even though, when so deposited, such securities may be merged and held in bulk in the name of the nominee of such depository with other securities deposited therein by another person, or to deposit or arrange for the deposit of any securities issued by the United States Government, or any agency or instrumentality thereof, with a Federal Reserve bank, but the books and records of the Trustee shall at all times show that all such securities are part of the Fund;
- (d) To deposit any cash in the Fund in interest-bearing accounts maintained or savings certificates issued by the Trustee, in its separate corporate capacity, or in any other banking institution affiliated with the Trustee, to the extent insured by an agency of the Federal or a State government; and
- (e) To compromise or otherwise adjust all claims in favor of or against the Fund.

Section 11. Taxes and Expenses. All taxes of any kind that may be assessed or levied against or in respect of the Fund and all brokerage commissions incurred by the Fund shall be paid from the Fund. All other expenses incurred by the Trustee in connection with the administration of this Trust, including fees for legal services rendered to the Trustee, the compensation of the Trustee to the extent not paid directly by the Grantor, and all other proper charges and disbursements of the Trustee shall be paid from the Fund.

Section 12. Annual Valuation. The Trustee shall annually, at least 30 days prior to the anniversary date of establishment of the Fund, furnish to the Grantor, the Department and the USACE a statement confirming the value of the Trust. Any securities in the Fund shall be valued at market value as of no more than 60 days prior to the anniversary date of establishment of the fund. The failure of the Grantor, the Department or the USACE to object in writing to the Trustee within 90 days after the statement has been furnished shall constitute a conclusively binding assent by the Grantor, barring the Grantor from asserting any claim or liability against the Trustee with respect to matters disclosed in the statement.

Section 13. Advice of Counsel. The Trustee may from time to time consult with legal counsel, who may be counsel to the Grantor, with respect to any question arising as to the construction of this Agreement or any action to be taken hereunder. The Trustee shall be fully protected, to the extent permitted by law, in acting upon the advice of counsel.

Section 14. Trustee Compensation. Grantor shall pay the Trustee any necessary fees for services rendered. Where the Grantor is no longer in existence, the Trustee is authorized to charge against the Trust its published Trust fee schedule in effect at the time services are rendered. However, all Trustee compensation charged against the Trust shall be paid from Trust income, unless the Department authorizes in writing payment from the Trust principal.

Section 15. Successor Trustee. The Trustee may resign or the Grantor may replace the Trustee, but such resignation or replacement shall not be effective until the Grantor has appointed a successor Trustee, the successor is approved by the Department, and the successor accepts the appointment. The successor trustee shall have the same powers and duties as those conferred upon the Trustee hereunder. Upon the successor trustee's acceptance of the appointment, the Trustee shall assign, transfer, and pay over to the successor trustee the funds and properties then constituting the Fund. If for any reason the Grantor cannot or does not act in the event of the resignation of the Trustee, the Department may nominate a successor. If the Department does not act, the Trustee may apply to a court of competent jurisdiction for the appointment of a successor trustee or for instructions. The successor trustee shall specify the date on which it assumes administration of the Trust in a writing sent to the Grantor, the Department, and the present Trustee by certified mail 10 days before such change becomes effective. Any expenses incurred by the Trustee as a result of any of the acts contemplated by this Section shall be paid as provided in Section 14.

Section 16. Instructions to the Trustee. All orders, requests, and instructions by the Grantor to the Trustee shall be in writing, signed by [*Note: List those individuals empowered to instruct Trustee*] or such other designees as the Grantor may designate by amendment to this agreement. The Trustee shall be fully protected in acting without inquiry in accordance with the Grantor's orders, requests, and instructions. All orders, requests, and instructions by the Department to the Trustee shall be in writing, signed by the Secretary of the Department, or the Secretary's designee, and the Trustee shall act and shall be fully protected in acting in accordance with such orders, requests, and instructions. The Trustee shall have the right to assume, in the absence of written notice to the contrary, that no event constituting a change or a termination of the authority of any person to act on behalf of the Grantor or the Department hereunder has occurred. The Trustee shall have no duty to act in the absence of such orders, requests, and instructions from the Grantor and/or the Department, except as provided for herein.

Section 17. Amendment of Agreement. Subject to the Notice requirements of Section 20, this Agreement may be amended by an instrument in writing executed by the Grantor, the Trustee, and the Department, or by the Trustee and the Department if the Grantor is legally prevented from acting, is administratively or judicially dissolved, or otherwise ceases to exist.

Section 18. Amendments to Attachment A. Subject to the Notice requirements of Section 20, Attachment A to this Agreement may be amended to identify additional Permits and corresponding Financial Instruments established by Grantor to provide financial assurance for performance of the Mitigation Requirements. Amendments to Attachment A shall be acknowledged, in writing, by the Grantor, the Trustee, the Department and the USACE.

Section 19. Irrevocability and Termination. Subject to the right of the parties to amend this Agreement as provided in Section 17 and the Notice requirements of Section 20, this Trust shall be irrevocable and shall continue until terminated at the written agreement of the Grantor, the Trustee, the Department and the USACE, or by the Trustee, the Department and the USACE, if the Grantor is legally prevented from acting, is administratively or judicially dissolved, or otherwise ceases to exist. Upon termination of the Trust, all remaining trust property, less final Trust administration expenses, shall be delivered to Grantor pursuant to the written agreement terminating the Trust or, where Grantor has ceased to exist, then to an independent third party identified by the Department. The Trust may be terminated only after a determination by the Department, with concurrence from the USACE, that

financial assurance is no longer required to ensure the permittee's performance of the Mitigation Requirements of the Permits identified in Attachment A.

Section 20. USACE Notice Requirements. In addition to all other requirements imposed on the Grantor and Trustee herein, the Grantor and the Trustee shall provide the following notices to the USACE:

1. The Grantor and Trustee shall provide notice to the USACE at least 120 days in advance of any termination or revocation of this Standby Trust Agreement; and
2. The Grantor and Trustee shall provide notice to the USACE at least 30 days in advance of modifications or amendments to this Standby Trust Agreement; and
3. The Trustee shall provide notice to the USACE at least 30 days in advance of making any disbursements from the Fund pursuant to the Department's direction for performance of the Mitigation Requirements and disbursement to persons specified by the Department for performance of specified Mitigation Requirements.

Section 21. Immunity and Indemnification. The Trustee shall not incur personal liability of any nature in connection with any act or omission, made in good faith, in the administration of this Trust, or in carrying out any directions by the Grantor or the Department issued in accordance with this Agreement. The Trustee shall be indemnified and saved harmless by the Grantor or from the Fund, or both, from and against any personal liability to which the Trustee may be subjected by reason of any act or conduct in its official capacity, including all expenses reasonably incurred in its defense in the event the Grantor fails to provide such defense.

Section 22. Choice of Law. This Agreement shall be administered, construed, and enforced according to the laws of the State of Florida.

Section 23. Interpretation. As used in this Agreement, words in the singular include the plural and words in the plural include the singular. The descriptive headings for each Section of this Agreement shall not affect the interpretation or the legal efficacy of this Agreement.

IN WITNESS WHEREOF the parties have caused this Agreement to be executed by their respective officers duly authorized and their corporate seals to be hereunto affixed and attested as of the date first above written.

Signature of Grantor

Courtney Mattson
Title: Vice President - Treasurer

Attest: _____

Title

Signature of Trustee

Connie Feltenberger
Title: Assistant Vice President

Attest: _____

Title

STATE OF _____
COUNTY OF _____

The foregoing instrument was acknowledged before me this _____ day of _____, 2016,
by _____, the _____ of _____, a Delaware limited
liability company, on behalf of the limited liability company. Such person did not take an oath and:

_____ is/are personally known to me
_____ produced a current _____ driver's license as identification
_____ produced _____ as identification

Signature of Notary

(Notary Seal)

Name of Notary (typed, printed or stamped)
Commission number (if not legible on seal) _____
My commission expires: (if not legible on seal) _____

STATE OF _____
COUNTY OF _____

The foregoing instrument was acknowledged before me this _____ day of _____, 2015,
by _____, the _____ of _____ Bank, on behalf of the
corporation. Such person did not take an oath and:

_____ is/are personally known to me
_____ produced a current _____ driver's license as identification
_____ produced _____ as identification

Signature of Notary

(Notary Seal)

Name of Notary (typed, printed or stamped)
Commission number (if not legible on seal) _____
My commission expires: (if not legible on seal) _____

ROD-SOF for DA Permit SAJ-1993-01395
Attachment B - Compensatory Mitigation Plan
Attachment E - UMAM Scoring

Attachment E

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 01W-04-I	
FLUCCs Code: 617-641	Further Classification: N/A		Impact or Mitigation Site?: Impact	Assessment Area Size (ac): 1.9922
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Northern portion of a larger wetland. Primarily surrounded by hardwoods.				
Assessment Area Description: Forested wetland with maples, wax myrtle, Salix, and many wetland plants. Ludwigia peruviana also found at this site.				
Significant Nearby Features: Lettis Creek ~.5 miles East		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle, raccoon, woodpecker				
Additional relevant factors:				
Assessment conducted by: SAE/LMP			Assessment date(s): 17-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 01W-04-I
Impact or Mitigation Impact	Assessment conducted by: sae/Imp	Assessment Date: 17-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Connected to a larger wetland. Surrounded by hardwoods. ~150 yards E of pasture. ~200 yards W of flatwoods. Mine is ~100 yards N. Surrounded by moderate or varying width of native habitat within active cattle operation. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Area Land Uses have significant adverse impacts on wildlife. Wildlife access to/from AA is partially limited by distance or barriers.			
	w/o pres or current	with		
	6	0		
.500(7)(b) Water Environment (n/a for uplands)	Cattle influence. High nutrients evident. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	4	0		
.500(7)(c) Community Structure	Some algae found. Maples, Ponte cor, Woodw vir, Limnobium spongia, Salix, Lemna, Sauru cer, Commelina, Salvi min, Myric cer. Some Ludwi per found. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Majority of plant covers is desirable plant species in all strata. Minimal cover by invasive/exotic plant species. Slightly lower/higher quantity of good structural habitat (see rule for details). Topo features slightly less optimal. Minor degree of siltation/algal growth to impede submerged aquatic plant growth.			
	w/o pres or current	with		
	7	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.5667 0.0000

Delta = [with-current]:
-0.5667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	1.9922006
FL= delta x acres =	-1.1289 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 01W-06-I	
FLUCCs Code: 643- 630		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.2779
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected to another wetland to the East. Surrounded by scattered hardwoods, ~50 yards West of flatwoods.					
Assessment Area Description: Small, herbaceous wetland with various wetland plants and laurel oaks. Some Ludwigia peruviana found.					
Significant Nearby Features: ~250 yards North of Lettis Creek			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Blackbird, cattle					
Additional relevant factors: heavy hurricane damage					
Assessment conducted by: LMP/SAE				Assessment date(s): 17-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 01W-06-I
Impact or Mitigation Impact	Assessment conducted by: Imp/sae	Assessment Date: 17-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Connected to other wetlands. Surrounded by scattered hardwoods, ~50 yards W of flatwoods. Mined land ~100 yards N. Surrounded by moderate or varying width of native habitat within active cattle operation. Area Land Uses have significant adverse impacts on wildlife. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Wildlife access to/from AA is partially limited by distance or barriers.			
	w/o pres or current	with		
	7	0		
.500(7)(b) Water Environment (n/a for uplands)	Cattle influence. Dry at time of assessment. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area.			
	w/o pres or current	with		
	6	0		
.500(7)(c) Community Structure	Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Minimal cover by invasive/exotic plant species. Majority of plant covers is desirable plant species in all strata.			
	w/o pres or current	with		
	7	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.6667	0.0000

Delta = [with-current]:
-0.6667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.2778500
FL= delta x acres =	-0.1852 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

** FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.*

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 01W-08-I	
FLUCCs Code: 630-511		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.6740
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Connects to two other wetlands. Surrounded by hardwoods. ~100 yards East of flatwoods.</p>					
<p>Assessment Area Description:</p> <p>Narrow forested floodplain wetland.</p>					
<p>Significant Nearby Features:</p> <p>~250 yards North of Lettis Creek</p>			<p>Uniqueness (considering the relative rarity in relation to the regional landscape.)</p> <p>None</p>		
<p>Functions:</p> <p>Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.</p>			<p>Mitigation for previous permit/other historic use:</p> <p>None</p>		
<p>Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)</p> <p>Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge</p>			<p>Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area):</p> <p>Wading birds foraging (SSC by FFWCC)</p>		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>Cattle</p>					
<p>Additional relevant factors:</p>					
<p>Assessment conducted by:</p> <p>LMP/SAE</p>				<p>Assessment date(s):</p> <p>17-Feb-2005</p>	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 01W-08-I
Impact or Mitigation Impact	Assessment conducted by: sae/lmp	Assessment Date: 17-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Surrounded by moderate or varying width of native habitat within active cattle operation. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Area Land Uses have significant adverse impacts on wildlife. Wildlife access to/from AA is partially limited by distance or barriers. Discharges from AA significant to downstream areas, which could suffer substantial adverse impacts if quality/quantity were altered.			
	w/o pres or current	with		
	7	0		
.500(7)(b) Water Environment (n/a for uplands)	Dry at time of assessment. Cattle influence. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area.			
	w/o pres or current	with		
	6	0		
.500(7)(c) Community Structure	Wetland ground cover, Iris, small patch of Juncus, Woodw vir, Myric cer, Urena lob, pines. Appears overgrown in most areas. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Reduction in extent of topo features. Minimal cover by invasive/exotic plant species. Slightly lower/higher quantity of good structural habitat (see rule for details).			
	w/o pres or current	with		
	6	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.6333	0.0000

Delta = [with-current]:
-0.6333

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.6739667
FL= delta x acres =	-0.4268 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 01W-100A-I	
FLUCCs Code: 641-617-6415		Further Classification: N/A		Impact or Mitigation Site?: Impact	Assessment Area Size (ac): 1.8876
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Connected to two other wetlands, one large wetland which is surrounded by flatwoods and hardwoods. Wetland is surrounded by cattle pasture.</p>					
<p>Assessment Area Description:</p> <p>Herbaceous wetland connected to another wetland surrounded by cattle pasture.</p>					
Significant Nearby Features: Brushy Creek SW <1mi, Lettis Creek <1/2 mi E			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>Little blue heron, turkeys, cattle, raccoon, red shouldered hawk, killdeer</p>					
Additional relevant factors:					
Assessment conducted by: LMP/SAE				Assessment date(s): 17-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 01W-100A-I
Impact or Mitigation Impact	Assessment conducted by: smg	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Connected to other wetlands. Large flatwood/hardwoods area <50 yds SE. Surrounded by pasture. Brushy and lettuce creek <1mi to SW and E respectively. Surrounded by moderate or varying width of native habitat within active cattle operation. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is partially limited by distance or barriers. Area Land Uses have minimal adverse impacts on wildlife.			
	w/o pres or current	with		
	5	0		
.500(7)(b) Water Environment (n/a for uplands)	Connected to other wetlands. Evidence of high nutrient content. Heavy cattle influence. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	6	0		
.500(7)(c) Community Structure	Salix, Juncus at edge, commelina and polygomon in middle, little scattered lemna, pontederia throughout center. Some thistle throughout outer edge. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Much lower/higher quantity of good structure habitat (see rule for details) Majority of plant covers is desirable plant species in all strata. Minimal cover by invasive/exotic plant species. Minor degree of siltation/algal growth to impede submerged aquatic plant growth.			
	w/o pres or current	with		
	6	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.5667 0.0000

Delta = [with-current]:
-0.5667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	1.8876488
FL= delta x acres =	-1.0697 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 01W-100B-I	
FLUCCs Code: 617		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.1157
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connects two wetlands, surrounded by cattle pasture.					
Assessment Area Description: Forested in-line wetland connecting two depressional wetlands surrounded by cattle pasture.					
Significant Nearby Features: Lettis Creek 1/2 mi E			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Fish, hog, cattle, red shouldered hawk, raccoon, deer					
Additional relevant factors:					
Assessment conducted by: LMP/SAE				Assessment date(s): 17-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 01W-100B-I
Impact or Mitigation Impact	Assessment conducted by: smg	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Connects two wetlands together, connected to a larger wetland. Surrounded by pasture. Connected to large area of flatwoods & hardwoods. Brushy creek <1 mi SW; Lettuce creek 1/2 mi E. Area Land Uses have significant adverse impacts on wildlife. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Wildlife access to/from AA is partially limited by distance or barriers.			
	w/o pres or current	with		
	5	0		
.500(7)(b) Water Environment (n/a for uplands)	Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Dry at TOA. Soil with heavy clay content. Steep banks eroded in some areas.			
	w/o pres or current	with		
	4	0		
.500(7)(c) Community Structure	Palmettos, oaks line banks. Some soda apple, Woodw vir in small scattered patches. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Minimal cover by invasive/exotic plant species. Moderate degree of siltation/algal growth to impede submerged aquatic plant growth. Slightly lower/higher quantity of good structural habitat (see rule for details). Topo features slightly less optimal.			
	w/o pres or current	with		
	6	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.5000 0.0000

Delta = [with-current]:
-0.5000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.1156572
FL= delta x acres =	-0.0578 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 01W-14-I	
FLUCCs Code: 630-511		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.9397
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Narrow, Northernmost portion of a larger wetland. Surrounded by hardwoods. Flatwoods ~50 yards East.</p>					
<p>Assessment Area Description:</p> <p>Forested slough with lots of Iris and grasses. Palmettos, oaks, pines, palms on the banks.</p>					
<p>Significant Nearby Features:</p> <p>~400 yards North of Lettis Creek</p>			<p>Uniqueness (considering the relative rarity in relation to the regional landscape.)</p> <p>None</p>		
<p>Functions:</p> <p>Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.</p>			<p>Mitigation for previous permit/other historic use:</p> <p>None</p>		
<p>Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)</p> <p>Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge</p>			<p>Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area):</p> <p>Wading birds foraging (SSC by FFWCC)</p>		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>Cattle, hog, deer</p>					
<p>Additional relevant factors:</p>					
<p>Assessment conducted by:</p> <p>LMP/SAE</p>				<p>Assessment date(s):</p> <p>17-Feb-2005</p>	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 01W-14-I
Impact or Mitigation Impact	Assessment conducted by: Imp/sae/smg	Assessment Date: 17-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10) Condition is optimal and fully supports wetland/surface water functions	Moderate (7) Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal (4) Minimal level of support of wetland/surface water functions	Not Present (0) Condition is insufficient to provide wetland/surface water functions
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.500(7)(a) Location and Landscape Support	Nmost part of a larger wetland; surrounded by hardwoods; flatwoods ~50 yards E.Surrounded by moderate or varying width of native habitat within active cattle operation. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Area Land Uses have significant adverse impacts on wildlife. Wildlife access to/from AA is partially limited by distance or barriers.			
	w/o pres or current	with		
	7	0		
.500(7)(b) Water Environment (n/a for uplands)	Moist soil but no standing water. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area.			
	w/o pres or current	with		
	5	0		
.500(7)(c) Community Structure	Lots of Iris, grasses, palmettos, oaks, pines, palms. Fallen trees. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Majority of plant covers is desirable plant species in all strata . Evidence of near normal regeneration/recruitment. Age/size distribution typical, may show temporary deviations. Slightly lower/higher quantity of good structural habitat (see rule for details). Topo features slightly less optimal.			
	w/o pres or current	with		
	7	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.6333 0.0000

Delta = [with-current]:
-0.6333

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.9397453
FL= delta x acres =	-0.5952 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 01W-16-I	
FLUCCs Code: 641-513	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.6794
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands 50 yards East of one wetland and <100 yards west of another wetland. Surrounded by pasture and connected to other wetlands by a series of ditches.				
Assessment Area Description: Small herbaceous wetland dominated by Juncus.				
Significant Nearby Features: ~.5 miles West of Lettis Creek		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle				
Additional relevant factors:				
Assessment conducted by: LMP/SAE			Assessment date(s): 17-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 01W-16-I
Impact or Mitigation Impact	Assessment conducted by: Imp/sae/smg	Assessment Date: 17-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Surrounded by pasture. <50 yards E of one wetland and <100 yards W of another wetland. Surrounded by low intensity agriculture and/or pasture. Little native available outside AA. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have significant adverse impacts on wildlife.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Dry at time of assessment. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Vegetation shows strong signs of hydrologic stress.			
	w/o pres or current	with		
	6	0		
.500(7)(c) Community Structure	Dominated by Juncus. Some Polygonum, road grass, little Panic hem. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Minimal cover by invasive/exotic plant species. Structural habitat not present. Lack topographic features.			
	w/o pres or current	with		
	5	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.5000 0.0000

Delta = [with-current]:
-0.5000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.6793811
FL= delta x acres =	-0.3397 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 01W-18-I	
FLUCCs Code: 6417-641-617-626-643		Further Classification: N/A	Impact or Mitigation Site? Impact	Assessment Area Size (ac): 15.8731
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by a narrow border of hardwoods. Connects to other wetlands to the North and South.				
Assessment Area Description: Herbaceous wetland dominated by Cladium and Ludwigia peruviana.				
Significant Nearby Features: ~.25 miles West of Lettis Creek		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle, hog, red shouldered hawk, great egret				
Additional relevant factors: sulfur smell				
Assessment conducted by: LMP/SAE			Assessment date(s): 17-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 01W-18-I
Impact or Mitigation Impact	Assessment conducted by: sae/lmp/smg	Assessment Date: 17-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Surrounded by a narrow border of hardwoods. Landscape surrounding hardwoods is primarily pasture (75%) and flatwoods (25%). Connects to other wetlands. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Area Land Uses have significant adverse impacts on wildlife. Wildlife access to/from AA is partially limited by distance or barriers.			
	w/o pres or current	with		
	6	0		
.500(7)(b) Water Environment (n/a for uplands)	Cattle influence. High nutrient levels evident. Ditch on SW side and one on W connect it with 01w-16. Regional ditching has lowered the water environment site-wide, and land mgmt activities have altered natural sheet flow in the area. Presence/evidence of use by animal species w/specific hydrologic requirements is much less than expected/more generalized requirements. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	5	0		
.500(7)(c) Community Structure	Cladium and Ludwi per throughout. Outer zone was Salvi min, Azolla, Urena lob. Some Pontaderia, Woodw vir, road grass, Juncus, Iris. Patches of Panic hem and Polygonum. Grazing and lack of land maintenance have diminished community structure. Majority of plant covers is desirable plant species in all strata. Much lower/higher quantity of good structure habitat (see rule for details) Reduction in extent of topo features.			
	w/o pres or current	with		
	6	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.5667	0.0000

Delta = [with-current]:
-0.5667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	15.873120
FL= delta x acres =	-8.9948 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 01W-20-I	
FLUCCs Code: 641-643-617-6417-511	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 7.9585
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Connected to a chain of wetlands. Primarily surrounded by pasture to the south. Large shrubby wetland to the north. This wetland serves as a headwater to a stream that flows through the pasture to the south.</p>				
<p>Assessment Area Description:</p> <p>Herbaceous wetland with Pontaderia, Juncus, Ludwigia and Panicum hemitomon. Cattle pond within the wetland at SE corner. The edges have been heavily grazed.</p>				
Significant Nearby Features: None		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>Cattle, great egret, cricket frog</p>				
Additional relevant factors:				
Assessment conducted by: SMG/JJB			Assessment date(s): 30-Sep-2011	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 01W-20-I
Impact or Mitigation Impact	Assessment conducted by: SMG/JJB	Assessment Date: 30-Sep-2011

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Pasture to the south with little/no buffer. Mined area 100-200 yards N. Connects to other wetlands to the N and S. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have significant adverse impacts on wildlife.			
	w/o pres or current	with		
	5	0		
.500(7)(b) Water Environment (n/a for uplands)	Cattle influence. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Algae prevalent and cattle trampling/pig rooting along entire southern edge. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	5	0		
.500(7)(c) Community Structure	Pontaderia, Juncus, Panic hem. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Minimal cover by invasive/exotic plant species. Much lower/higher quantity of good structure habitat (see rule for details) Reduction in extent of topo features.			
	w/o pres or current	with		
	4	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.4667 0.0000

Delta = [with-current]:
-0.4667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	7.9584929
FL= delta x acres =	-3.7140 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 01W-26-I	
FLUCCs Code: 641-6417-630-617-511		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 16.2388
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected to other wetlands; surrounded by hardwoods; flatwoods ~100 yards West. Mine <200 yards North.					
Assessment Area Description: Herbaceous wetland connected to chain of wetlands to the South.					
Significant Nearby Features: Lettis Creek ~100 yards South			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Egret, cattle					
Additional relevant factors:					
Assessment conducted by: SAE/LMP				Assessment date(s): 21-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 01W-26-I
Impact or Mitigation Impact	Assessment conducted by: sae/lmp/smg	Assessment Date: 21-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Surrounded by hardwoods. Flatwoods and other wetlands are nearby. Mined area <200 yards N. Nearest pasture <250 yards S. Connected to other wetlands. Land uses have minimal effects. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Wildlife access to/from AA is partially limited by distance or barriers. Area Land Uses have significant adverse impacts on wildlife.			
	w/o pres or current	with		
	7	0		
.500(7)(b) Water Environment (n/a for uplands)	Areas of open water. Murky water. Cattle and pig influence. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area.			
	w/o pres or current	with		
	6	0		
.500(7)(c) Community Structure	Juncus, Panic hem, Iris, Pontederia, Cladi jam, Limnobiom spongia, wax myrtle, Ludwi per, Woodw vir, Pistia, Thalia, lots of Typha in center, Cepha occ. Grazing and lack of land maintenance have diminished community structure. Majority of plant covers is desirable plant species in all strata. Slightly lower/higher quantity of good structural habitat (see rule for details). Reduction in extent of topo features.			
	w/o pres or current	with		
	5	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.6000 0.0000

Delta = [with-current]:
-0.6000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	16.238836
FL= delta x acres =	-9.7433 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 01W-28-I	
FLUCCs Code: 630-511		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.9104
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connects two wetlands together. Surrounded by hardwoods.					
Assessment Area Description: Part of an in-line wetland system that feeds ultimately to Lettis Creek.					
Significant Nearby Features: This stream is part of the Lettis Creek floodplain.			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Red shouldered hawk, cattle, cardinal, woodpecker holes					
Additional relevant factors:					
Assessment conducted by: SAE/LMP				Assessment date(s): 21-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 01W-28-I
Impact or Mitigation Impact	Assessment conducted by: sae/lmp/smg	Assessment Date: 21-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Surrounded by hardwoods, connects two wetlands, pasture <100 yards SW, mined area between 300-400 yards to the NSurrounded by moderate or varying width of native habitat within active cattle operation. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Wildlife access to/from AA is partially limited by distance or barriers. Area Land Uses have minimal adverse impacts on wildlife.			
	w/o pres or current	with		
	6	0		
.500(7)(b) Water Environment (n/a for uplands)	Dry at time of assessment. Cattle and pig influence. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area.			
	w/o pres or current	with		
	6	0		
.500(7)(c) Community Structure	Iris, Polygonum, Sauru cer, palmettos, laurel oaks. Lots of dead fallen trees. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Majority of plant covers is desirable plant species in all strata . Topo features slightly less optimal.			
	w/o pres or current	with		
	6	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.6000 0.0000

Delta = [with-current]:
-0.6000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.9103556
FL= delta x acres =	-0.5462 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 01W-30-I	
FLUCCs Code: 641-626-617	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 4.1892
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by hardwoods. Connected to other wetlands.				
Assessment Area Description: Herbaceous wetland with a diversity of wetland plants.				
Significant Nearby Features: 100 yards North of Lettis Creek		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle, dead hog, red shouldered hawk, great egret, pair of woodstorks, deer, raccoon				
Additional relevant factors:				
Assessment conducted by: SAE/LMP			Assessment date(s): 21-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 01W-30-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Surrounded by moderate or varying width of native habitat within active cattle operation.	
	w/o pres or current	with
7	0	
.500(7)(b) Water Environment (n/a for uplands)	Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area.	
	w/o pres or current	with
6	0	
.500(7)(c) Community Structure	Polygonum, Iris, small patches of Juncus, Urena lob, along banks, saw palmetto, pines, oaks. Many dead fallen trees. Ludwi per repens throughout. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Majority of plant covers is desirable plant species in all strata. Evidence of near normal regeneration/recruitment. Age/size distribution typical, may show temporary deviations. Slightly lower/higher quantity of good structural habitat (see rule for details).	
	w/o pres or current	with
7	0	

Score = sum of above scores/30 (if uplands, divide by 20)
0.6667 0.0000

Delta = [with-current]:
-0.6667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	4.1891520
FL= delta x acres =	-2.7928 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

** FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.*

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 01W-36-I	
FLUCCs Code: 643-511-630		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 2.0509
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Connects two wetlands together. Bordered by narrow band of scattered hardwoods. Pasture 50 yards East and West. Flatwoods nearby (<100 yards) along the northern portion.</p>					
<p>Assessment Area Description:</p> <p>Channel lined with oaks, palmettos, Magnolia virginiana and various wetland plants.</p>					
<p>Significant Nearby Features:</p> <p>~ 1-mile west of Lettis Creek, ditched headwater marsh</p>			<p>Uniqueness (considering the relative rarity in relation to the regional landscape.)</p> <p>None</p>		
<p>Functions:</p> <p>Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.</p>			<p>Mitigation for previous permit/other historic use:</p> <p>None</p>		
<p>Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)</p> <p>Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge</p>			<p>Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area):</p> <p>Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)</p>		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>Cattle, fish, raccoon</p>					
<p>Additional relevant factors:</p>					
<p>Assessment conducted by:</p> <p>SMG/JJB</p>				<p>Assessment date(s):</p> <p>30-Sep-2011</p>	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 01W-36-I
Impact or Mitigation Impact	Assessment conducted by: SMG/JJB	Assessment Date: 30-Sep-2011

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type of wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Bordered by hardwoods. Pasture ~50 yards E and W. Flatwoods <100 yards N. Connects wetlands from the N to wetlands to the S. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have significant adverse impacts on wildlife.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Dry in most areas but - intermittent pools. Cattle crossings causing bank erosion. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	6	0		
.500(7)(c) Community Structure	Oaks, Juncus, Iris, pines, palmettos, Pontaderia, Polygonum, Ludwi per, Xyris. Grazing/lack of land maintenance have diminished community structure. Several cattle crossings have eroded banks and allowed unnaturally vegetated channel/banks. Majority of plant covers is desirable plant species in all strata. Minimal cover by invasive/exotic plant species. Much lower/higher quantity of good structure habitat (see rule for details) Reduction in extent of topo features.			
	w/o pres or current	with		
	5	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.5000	0.0000

Delta = [with-current]:
-0.5000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	2.0508972
FL= delta x acres =	-1.0254 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

** FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.*

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 01W-38-I	
FLUCCs Code: 641-617-630-511	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 4.4790
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>A small tributary to Lettis Creek flows into and out of this wetland, connecting it to 2 other wetlands. Surrounded by hardwoods and flatwoods.</p>				
<p>Assessment Area Description:</p> <p>Herbaceous wetland connected to a chain of wetlands.</p>				
Significant Nearby Features: Lettis Creek runs through this wetland		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>Great egret, flock of Ibis, little blue heron, big blue heron, woodpecker holes, cattle, red shouldered hawk, many birds, hog damage, deer</p>				
Additional relevant factors:				
Assessment conducted by: LMP/SAE			Assessment date(s): 21-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 01W-38-I
Impact or Mitigation Impact	Assessment conducted by: Imp/sae/smg	Assessment Date: 21-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Connected to two other wetlands by Lettuce Creek. Surrounded by hardwoods. Pasture 50-100 yards S Surrounded by moderate or varying width of native habitat within active cattle operation. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Wildlife access to/from AA is partially limited by distance or barriers.			
	w/o pres or current	with		
	7	0		
.500(7)(b) Water Environment (n/a for uplands)	Evidence of a recent fire. Evidence of high nutrient levels. Good zonation. Cattle influence. Regional ditching has lowered the water environment site-wide, and land mgmt activities have altered natural sheet flow in the area. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	6	0		
.500(7)(c) Community Structure	iris, Panic hem, patches of Cladi jam, Pontederia, Woodw vir, Juncus, Thalia, Ludwi per, Salvi min, Urena lob, lots of Typha, Cepha occ. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Slightly lower/higher quantity of good structural habitat (see rule for details). Topo features slightly less optimal.			
	w/o pres or current	with		
	6	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.6333	0.0000

Delta = [with-current]:
-0.6333

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	4.4790489
FL= delta x acres =	-2.8367 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 01W-40-I	
FLUCCs Code: 617-511	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.7889
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connects two wetlands. Surrounded by hardwoods.				
Assessment Area Description: Forested part of an in-line wetland system that feeds ultimately to Lettis Creek.				
Significant Nearby Features: Part of an in-line wetland system directly connected to large preservation/enhancement area.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Deer, hog, cattle, woodpecker				
Additional relevant factors:				
Assessment conducted by: LMP/SAE			Assessment date(s): 21-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 01W-40-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Surrounded by moderate or varying width of native habitat within active cattle operation.			
	w/o pres or current	with		
	7	0		
.500(7)(b) Water Environment (n/a for uplands)	Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area.			
	w/o pres or current	with		
	6	0		
.500(7)(c) Community Structure	Polygonum, Iris, small patches of Juncus, Urena lob, along banks, saw palmetto, pines, oaks. Many dead fallen trees. Ludwi per repens throughout. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Majority of plant covers is desirable plant species in all strata. Evidence of near normal regeneration/recruitment. Age/size distribution typical, may show temporary deviations. Slightly lower/higher quantity of good structural habitat (see rule for details).			
	w/o pres or current	with		
	7	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.6667 0.0000

Delta = [with-current]:
-0.6667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.7888540
FL= delta x acres =	-0.5259 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 01W-42-I	
FLUCCs Code: 617-511		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.7015
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Connects two wetlands together. Surrounded by hardwoods.</p>					
<p>Assessment Area Description:</p> <p>Forested part of an in-line wetland system that feeds ultimately to Lettis Creek.</p>					
<p>Significant Nearby Features:</p> <p>~50 yards North of Lettis Creek</p>			<p>Uniqueness (considering the relative rarity in relation to the regional landscape.)</p> <p>None</p>		
<p>Functions:</p> <p>Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.</p>			<p>Mitigation for previous permit/other historic use:</p> <p>None</p>		
<p>Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)</p> <p>Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge</p>			<p>Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area):</p> <p>Wading birds foraging (SSC by FFWCC)</p>		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>Cattle, hog, red shouldered hawk</p>					
<p>Additional relevant factors:</p>					
<p>Assessment conducted by:</p> <p>LMP/SAE</p>				<p>Assessment date(s):</p> <p>21-Feb-2005</p>	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 01W-42-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Habitat outside AA provide full range of habitats needed to support all wildlife in Pt. I.			
	w/o pres or current	with		
	8	0		
.500(7)(b) Water Environment (n/a for uplands)	Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Much of the plant community composition is characterized by species tolerant of and associated with moderate water quality degradation/alterations in inundation/saturation (freq, depth, duration). Vegetation or benthic community zonation in some strata inappropriate for TOS.			
	w/o pres or current	with		
	5	0		
.500(7)(c) Community Structure	Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Minimal evidence of regeneration/recruitment. Much lower/higher quantity of good structure habitat (see rule for details) Land Management Practices generally appropriate.			
	w/o pres or current	with		
	5	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.6000	0.0000

Delta = [with-current]:
-0.6000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.7015406
FL= delta x acres =	-0.4209 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 01W-44-I	
FLUCCs Code: 641-617-511	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 5.5552
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>A small tributary to Lettis Creek flows into and out of this wetland connecting it to two other wetlands. Surrounded by hardwoods and flatwoods. Pasture ~200 yards West.</p>				
<p>Assessment Area Description:</p> <p>Herbaceous wetland with many exotic/nuisance species.</p>				
Significant Nearby Features: Lettis Creek flows in and out of this wetland		<p>Uniqueness (considering the relative rarity in relation to the regional landscape.)</p> <p>None</p>		
<p>Functions:</p> <p>Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.</p>		<p>Mitigation for previous permit/other historic use:</p> <p>None</p>		
<p>Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)</p> <p>Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge</p>		<p>Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area):</p> <p>Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)</p>		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>Pair of big blue herons, great egret, raccoon, fish, green anole</p>				
<p>Additional relevant factors:</p>				
<p>Assessment conducted by:</p> <p>LMP/SAE</p>			<p>Assessment date(s):</p> <p>21-Feb-2005</p>	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 01W-44-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Habitat outside AA provide full range of habitats needed to support all wildlife in Pt. I. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I.			
	w/o pres or current	with		
	7	0		
.500(7)(b) Water Environment (n/a for uplands)	Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Much of the plant community composition is characterized by species tolerant of and associated with moderate water quality degradation/alterations in inundation/saturation (freq, depth, duration). Vegetation or benthic community zonation in some strata inappropriate for TOS.			
	w/o pres or current	with		
	5	0		
.500(7)(c) Community Structure	Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Minimal evidence of regeneration/recruitment. Much lower/higher quantity of good structure habitat (see rule for details) Land Management Practices generally appropriate.			
	w/o pres or current	with		
	5	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.5667	0.0000

Delta = [with-current]:
-0.5667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	5.5551849
FL= delta x acres =	-3.1479 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 01W-46-I	
FLUCCs Code: 617		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.0003
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Connects two wetlands together; surrounded by hardwoods.</p>					
<p>Assessment Area Description:</p> <p>Wetland surrounding natural stream</p>					
Significant Nearby Features: Lettis Creek			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle, black racer					
Additional relevant factors:					
Assessment conducted by: SAE/LMP				Assessment date(s): 21-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 01W-46-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Habitat outside AA provide full range of habitats needed to support all wildlife in Pt. I. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I.			
	w/o pres or current	with		
	7	0		
.500(7)(b) Water Environment (n/a for uplands)	Very mucky soil. Standing water throughout. Deep in center. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	4	0		
.500(7)(c) Community Structure	iris, Panic hem, patches of Cladi jam, little Pontederia, Woodw vir, Juncus, Thalia, Ludwi per, Salvi min, Urena lob, lots of Typha, Cepha occ. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Majority of plant covers is desirable plant species in all strata. Minimal cover by invasive/exotic plant species. Evidence of near normal regeneration/recruitment. Slightly lower/higher quantity of good structural habitat (see rule for details). Topo features slightly less optimal.			
	w/o pres or current	with		
	6	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.5667 0.0000

Delta = [with-current]:
-0.5667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.0003331
FL= delta x acres =	-0.0002 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 01W-48-I	
FLUCCs Code: 641-6417-6415-630-511-617		Further Classification: N/A		Impact or Mitigation Site? Impact
				Assessment Area Size (ac): 14.8186
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by cattle pasture. Connected to other wetlands. Mined land <.5 miles North.				
Assessment Area Description: In-line wetland surrounded by pasture, conected upstream and downstream by narrow, pasture-lined, but intact streams				
Significant Nearby Features: Lettis Creek headwater marshes<.5 miles NE.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) American crow				
Additional relevant factors:				
Assessment conducted by: SMG/JJB			Assessment date(s): 30-Sep-2011	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 01W-48-I
Impact or Mitigation Impact	Assessment conducted by: SMG/JJB	Assessment Date: 30-Sep-2011

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Mined land <.5 mile N. Lettuce Creek <.5 miles NE. Surrounded by pasture. Brushy Creek <.5 mile SW. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have significant adverse impacts on wildlife.			
	w/o pres or current	with		
	5	0		
.500(7)(b) Water Environment (n/a for uplands)	Very mucky soil. Standing water throughout. Deep in center. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	5	0		
.500(7)(c) Community Structure	Juncus throughout outer edge/middle. Pontaderia, Spartina, Juncus,maidencane,sagittaria, Grazing/lack of land maint(hog control, fire, etc.)diminished comm structure; but heavily grazed. Very diverse,good internal struct Reduction in extent of topo features. Moderate degree of siltation/algal growth to impede submerged aquatic plant growth. Much lower/higher quantity of good structure habitat (see rule for details) Majority of plant covers is by undesirable plant species (invasive/exotic) in all strata .			
	w/o pres or current	with		
	3	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.4333 0.0000

Delta = [with-current]:
-0.4333

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	14.818596
FL= delta x acres =	-6.4214 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 01W-52-I	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 1.5662
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Hydrologically isolated but deemed jurisdictional in the 2012 USACE Jurisdictional Verification. Surrounded by cattle pasture. Wetlands <200 yards East and West.</p>				
<p>Assessment Area Description:</p> <p>Herbaceous wetland with Juncus, Pontaderia, some Panicum hemitomon and Ludwigia peruviana.</p>				
Significant Nearby Features: Lettis Creek <300 yards		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle, hog, dead siren				
Additional relevant factors:				
Assessment conducted by: LMP/SAE			Assessment date(s): 16-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 01W-52-I
Impact or Mitigation Impact	Assessment conducted by: Imp/sae/smg	Assessment Date: 15-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Surrounded by pasture. Wetlands less 200 yards E and W. No habitats outside AA provide support for wildlife in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have significant adverse impacts on wildlife.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Standing water in center, deep in middle. Patches of open water. Heavy cattle/pig influence. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	4	0		
.500(7)(c) Community Structure	Juncus, Iris, Pontaderia, some Panic hem. Some Ludwi per throughout. Moderate algae growth. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Majority of plant covers is desirable plant species in all strata. Minimal cover by invasive/exotic plant species. Much lower/higher quantity of good structure habitat (see rule for details) Land Management Practices resulted in partial removal/alteration of natural structures, add some artificial features. Reduction in extent of topo features. Moderate degree of siltation/algal growth to impede submerged aquatic plant growth.			
	w/o pres or current	with		
	4	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.4000 0.0000

Delta = [with-current]:
-0.4000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	1.5661794
FL= delta x acres =	-0.6265 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 01W-56-I	
FLUCCs Code: 641-6415-513	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 35.3176
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by cattle pasture. Ditch drains from wetland at Southern point.				
Assessment Area Description: Large herbaceous wetland with various wetland plants and Ludwigia peruviana scattered throughout.				
Significant Nearby Features: Lettis Creek < .5 miles East		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle, fish, turkeys				
Additional relevant factors:				
Assessment conducted by: SAE/LMP			Assessment date(s): 16-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 01W-56-I
Impact or Mitigation Impact	Assessment conducted by: SAE/LMP/msg	Assessment Date: 16-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10) Condition is optimal and fully supports wetland/surface water functions	Moderate (7) Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal (4) Minimal level of support of wetland/surface water functions	Not Present (0) Condition is insufficient to provide wetland/surface water functions
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.500(7)(a) Location and Landscape Support	Surrounded by pasture. Lettuce Creek <300 yards NE. Mined land <.5 mile N. Surrounded by low intensity agriculture and/or pasture. Little native available outside AA. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have significant adverse impacts on wildlife.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Ditch drains wetland. Cattle and pig influence. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	4	0		
.500(7)(c) Community Structure	Andropogon, Juncus, Panic hem, Pontaderia, Eleocho bal. Center is dominated by Panic hem. Ludwi per scattered throughout with a large patch on SW side. Eupat cap intermix. Grazing and lack of land maintenance have diminished community structure. Majority of plant covers is desirable plant species in all strata. Minimal cover by invasive/exotic plant species. Reduction in extent of topo features. Moderate degree of siltation/algal growth to impede submerged aquatic plant growth.			
	w/o pres or current	with		
	5	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.4333 0.0000

Delta = [with-current]:
-0.4333

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	35.317612
FL= delta x acres =	-15.3043 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 01W-68-I	
FLUCCs Code: 617-511-630		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 1.2866
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>2/3 surrounded by cattle pasture, 1/3 surrounded by flatwoods and hardwoods. This connects in-line wetlands downstream to the Brushy Creek System.</p>					
<p>Assessment Area Description:</p> <p>Narrow forested floodplain wetland that feeds ultimately to Brushy Creek.</p>					
<p>Significant Nearby Features:</p> <p>Brushy Creek <1 mile SW and Lettis Creek <1 mile East.</p>			<p>Uniqueness (considering the relative rarity in relation to the regional landscape.)</p> <p>None</p>		
<p>Functions:</p> <p>Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.</p>			<p>Mitigation for previous permit/other historic use:</p> <p>None</p>		
<p>Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)</p> <p>Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge</p>			<p>Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area):</p> <p>Wading birds foraging (SSC by FFWCC)</p>		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>Cattle</p>					
<p>Additional relevant factors:</p>					
<p>Assessment conducted by:</p> <p>SMG/JJB</p>				<p>Assessment date(s):</p> <p>30-Sep-2011</p>	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 01W-68-I
Impact or Mitigation Impact	Assessment conducted by: SMG/JJB	Assessment Date: 30-Sep-2011

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Large pasture surrounds stream. Large forested area SW corner. Brushy Creek <.5 mile SW. Lettuce Creek <.5 mile E. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have significant adverse impacts on wildlife. Discharges from AA significant to downstream areas, which could suffer substantial adverse impacts if quality/quantity were altered.			
	w/o pres or current	with		
	5	0		
.500(7)(b) Water Environment (n/a for uplands)	Connects large wetlands together. Evidence of erosion cause by cattle crossings. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area.			
	w/o pres or current	with		
	3	0		
.500(7)(c) Community Structure	Andropogon, Spartina, wax myrtle, dog fennel, Panic hem. Juvenile pine on far N point surrounded by Juncus. Wax myrtle, palmetto found on spoil in wetland. Ludwigia within channel. Grazing/lack of land maint diminished comm structure. Moderate degree of siltation/algal growth to impede submerged aquatic plant growth. Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species .			
	w/o pres or current	with		
	5	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.4333 0.0000

Delta = [with-current]:
-0.4333

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	1.2866479
FL= delta x acres =	-0.5575 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 01W-72-I	
FLUCCs Code: 641-6415	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.8568
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Hydrologically isolated but deemed jurisdictional in the 2012 USACE Jurisdictional Verification.; surrounded by cattle pasture.				
Assessment Area Description: Herbaceous wetland dominated by Juncus and Polygonum.				
Significant Nearby Features: Lettis Creek <.5 mile East and Brushy Creek <1 mile SW.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle				
Additional relevant factors: 				
Assessment conducted by: SMG/JJB			Assessment date(s): 30-Sep-2011	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 01W-72-I
Impact or Mitigation Impact	Assessment conducted by: SMG/JJB	Assessment Date: 30-Sep-2011

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Surrounded by pasture. Lettuce Creek .5 mile E and Brushy Creek .5 mile SW. Surrounded by low intensity agriculture and/or pasture. Little native available outside AA. Area Land Uses have significant adverse impacts on wildlife. Wildlife access to/from AA is substantially limited, by distance or barriers.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Heavy cattle influence. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Large cattel pond affects qty slightly and attracts cattle			
	w/o pres or current	with		
	3	0		
.500(7)(c) Community Structure	Dominated by Juncus and Polygonum. Historic plowing/tilling and grazing have significantly altered the species composition. Nearly a monoculture of smartweed. Excavated portion includes spoil and dogfennel/ruderal species. Majority of plant covers is desirable plant species in all strata . Structural habitat not present. Lack topographic features.			
	w/o pres or current	with		
	2	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.3000 0.0000

Delta = [with-current]:
-0.3000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.8568449
FL= delta x acres =	-0.2571 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 01W-76-I	
FLUCCs Code: 641-6415	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.2029
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Hydrologically isolated but deemed jurisdictional in the 2012 USACE Jurisdictional Verification. Surrounded by cattle pasture. Lage natural area <400 yards South.</p>				
<p>Assessment Area Description:</p> <p>Small herbaceous wetland dominated by Juncus.</p>				
<p>Significant Nearby Features:</p> <p>Lettis Creek <.5 miles East.</p>		<p>Uniqueness (considering the relative rarity in relation to the regional landscape.)</p> <p>None</p>		
<p>Functions:</p> <p>Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.</p>		<p>Mitigation for previous permit/other historic use:</p> <p>None</p>		
<p>Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)</p> <p>Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge</p>		<p>Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area):</p> <p>Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)</p>		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>Cattle</p>				
<p>Additional relevant factors:</p>				
<p>Assessment conducted by:</p> <p>SAE/LMP</p>			<p>Assessment date(s):</p> <p>16-Feb-2005</p>	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 01W-76-I
Impact or Mitigation Impact	Assessment conducted by: sae/lmp	Assessment Date: 16-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Hydrologically isolated. Surrounded by pasture. Lettuce Creek .5 miles E. Large natural area <400 yards S. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have significant adverse impacts on wildlife.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Dry at time of assessment. Pig and cattle influence. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area.			
	w/o pres or current	with		
	3	0		
.500(7)(c) Community Structure	Dominated by Juncus. Polygonum, Cyperus, Ludwi per. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Much lower/higher quantity of good structure habitat (see rule for details) Lack topographic features.			
	w/o pres or current	with		
	2	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.3000 0.0000

Delta = [with-current]:
-0.3000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.2029481
FL= delta x acres =	-0.0609 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 01W-90-I	
FLUCCs Code: 641		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 3.5097
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by cattle pasture. Ditch runs from Southern point to another wetland.					
Assessment Area Description: Herbaceous wetland surrounded by cattle pasture with a ditch draining from Southern point.					
Significant Nearby Features: Lettis Creek <.5 mile East; Brushy Creek <1 mile SW			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle, hog, killdeer					
Additional relevant factors:					
Assessment conducted by: LMP/SAE				Assessment date(s): 16-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 01W-90-I
Impact or Mitigation Impact	Assessment conducted by: Imp/sae	Assessment Date: 16-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10) Condition is optimal and fully supports wetland/surface water functions	Moderate (7) Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal (4) Minimal level of support of wetland/surface water functions	Not Present (0) Condition is insufficient to provide wetland/surface water functions
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.500(7)(a) Location and Landscape Support	Surrounded by pasture. Ditch at S point draining to a large wetland. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have significant adverse impacts on wildlife. Discharges from AA significant to downstream areas, which could suffer substantial adverse impacts if quality/quantity were altered.			
	w/o pres or current	with		
	5	0		
.500(7)(b) Water Environment (n/a for uplands)	High nutrients evident. Heavy cattle and pig influence. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	3	0		
.500(7)(c) Community Structure	Juncus in patches throughout and surrounding wetland. Pontaderia in center, patch of Spartina on W side. Some Ludwi per found. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Moderate degree of siltation/algal growth to impede submerged aquatic plant growth. Majority of plant covers is by undesirable plant species (invasive/exotic) in all strata . Minimal cover by invasive/exotic plant species . Much lower/higher quantity of good structure habitat (see rule for details) Reduction in extent of topo features.			
	w/o pres or current	with		
	4	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.4000	0.0000

Delta = [with-current]:
-0.4000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	3.5097439
FL= delta x acres =	-1.4039 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 01W-92-I	
FLUCCs Code: 617-511-641-512-513	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.2764
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by cattle pasture. Area connects two wetlands.				
Assessment Area Description: Connection draining from one wetland to another.				
Significant Nearby Features: Lettis Creek <.5 mile East and Brushy Creek <1 mile SW.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle, hog				
Additional relevant factors:				
Assessment conducted by: SAE/LMP			Assessment date(s): 16-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 01W-92-I
Impact or Mitigation Impact	Assessment conducted by: sae/Imp	Assessment Date: 16-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Surrounded by pasture. Connects two wetlands. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have significant adverse impacts on wildlife.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Dry at time of assessment. Cattle and pig influence. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Vegetation shows strong signs of hydrologic stress.			
	w/o pres or current	with		
	4	0		
.500(7)(c) Community Structure	Lined by sweet gum, some palmettos, some Juncus, Urena lob, maples.Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Evidence of near normal regeneration/recruitment. Age/size distribution typical, may show temporary deviations. Land Management Practices generally appropriate. Slightly lower/higher quantity of good structural habitat (see rule for details).			
	w/o pres or current	with		
	6	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.4667 0.0000

Delta = [with-current]:
-0.4667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.2763694
FL= delta x acres =	-0.1290 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 02E-02-I	
FLUCCs Code: 617	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.1073
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected to ditch.				
Assessment Area Description: Hardwood swamp				
Significant Nearby Features: Active mining to north		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) None				
Additional relevant factors: None				
Assessment conducted by: SMG			Assessment date(s): 10-Jul-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 02E-02-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Surrounded by intensive agriculture, high human activity, use of herbicides, pesticides, etc. Cogon grass and other nuisance/ruderal species prevalent in area. Land mgmt practices have eliminated much of the structural complexity in area. Area Land Uses have severe adverse impacts on wildlife. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I.			
	w/o pres or current	with		
	3	0		
.500(7)(b) Water Environment (n/a for uplands)	Significant nearby ditching and land use to the N are affecting drainage into wetland. Part of a system surrounded by a network of deep ditches which is affecting hydrology. Land use practices to the N are also affecting drainage into this system.			
	w/o pres or current	with		
	3	0		
.500(7)(c) Community Structure	Much lower/higher quantity of good structure habitat (see rule for details)			
	w/o pres or current	with		
	3	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.3000	0.0000

Delta = [with-current]:
-0.3000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.1072678
FL= delta x acres =	-0.0322 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

** FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.*

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 02E-04-I	
FLUCCs Code: 617-6417-616-618-643-513		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 33.3762
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected to ditch network on east side.					
Assessment Area Description: Hardwood swamp					
Significant Nearby Features: Active mining to north			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) None					
Additional relevant factors: None					
Assessment conducted by: SMG/Matt Wilson				Assessment date(s): 22-Sep-2011	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 02E-04-I
Impact or Mitigation Impact	Assessment conducted by: SMG/Matt Wilson	Assessment Date: 23-Sep-2011

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Narrow buffer of native vegetation, but limited outside the immediate vicinity. Little upland habitat available. Cogon grass and other nuisance/ruderal species prevalent. Land mgmt practices have eliminated much of the structural complexity in area . Area Land Uses have significant adverse impacts on wildlife. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Heavy cattle influence. Surrounded by a network of deep ditches. Area land use practices are also affecting drainage into this system. Evidence that historic water level has not been attained this year despite high rainfall and full surrounding wetlands.			
	w/o pres or current	with		
	3	0		
.500(7)(c) Community Structure	Dominated by popash. Few exotics within the wetland. Food diversity of size-age class despite evidence of historic clearing. Much lower/higher quantity of good structure habitat (see rule for details)			
	w/o pres or current	with		
	4	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.3667 0.0000

Delta = [with-current]:
-0.3667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	33.376194
FL= delta x acres =	-12.2379 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 02E-10-I	
FLUCCs Code: 617		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 12.6804
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Hydrologically isolated but deemed jurisdictional in the 2012 USACE Jurisdictional Verification. Adjacent active mine operation to the North.</p>					
<p>Assessment Area Description:</p> <p>Hardwood swamp that was apparently logged 15-20 years ago.</p>					
Significant Nearby Features: None			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) None					
Additional relevant factors: None					
Assessment conducted by: SMG/Matt Wilson				Assessment date(s): 23-Sep-2011	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 02E-10-I
Impact or Mitigation Impact	Assessment conducted by: SMG/Matt Wilson	Assessment Date: 23-Sep-2011

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Narrow buffer of native vegetation, but limited habitat outside the immediate vicinity. Little surrounding upland habitat available. Cogon grass and other nuisance/ruderal species prevalent in area. Area Land Uses have significant adverse impacts on wildlife. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Heavy cattle influence. Surrounded by a network of deep ditches. Area land use practices are also affecting drainage into this system. Evidence that historic water level has not been attained this year despite high rainfall and full surrounding wetlands.			
	w/o pres or current	with		
	3	0		
.500(7)(c) Community Structure	Monoculture of maple size and age class; no hummocks or herbaceous layer. Much lower quantity of good structure habitat appears to have been cleared approximately 20-years ago. Much lower/higher quantity of good structure habitat (see rule for details)			
	w/o pres or current	with		
	4	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.3667 0.0000

Delta = [with-current]:
-0.3667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	12.680417
FL= delta x acres =	-4.6495 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 02E-16-I	
FLUCCs Code: 6417-513	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 2.7748
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected to ditch network.				
Assessment Area Description: Herbaceous marsh				
Significant Nearby Features: None		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) None				
Additional relevant factors: None				
Assessment conducted by: SMG			Assessment date(s): 10-Jul-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 02E-16-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10) Condition is optimal and fully supports wetland/surface water functions	Moderate (7) Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal (4) Minimal level of support of wetland/surface water functions	Not Present (0) Condition is insufficient to provide wetland/surface water functions
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.500(7)(a) Location and Landscape Support	Surrounded by intensive agriculture, high human activity, use of herbicides, pesticides, etc. Cogon grass and other nuisance/ruderal species prevalent in area. Land mgmt practices have eliminated much of the structural complexity i Area Land Uses have severe adverse impacts on wildlife. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I.			
	w/o pres or current	with		
	3	0		
.500(7)(b) Water Environment (n/a for uplands)	Heavy cattle influence. Part of a system surrounded by a network of deep ditches which is affecting hydrology. Land use practices to the N are also affecting drainage into this system.			
	w/o pres or current	with		
	2	0		
.500(7)(c) Community Structure	Much lower/higher quantity of good structure habitat (see rule for details) Structural habitat not present.			
	w/o pres or current	with		
	2	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.2333 0.0000

Delta = [with-current]:
-0.2333

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	2.7747963
FL= delta x acres =	-0.6475 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 02W-08-I	
FLUCCs Code: 641-643-617-6417		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 12.0487
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Hydrologically isolated but deemed jurisdictional in the 2012 USACE Jurisdictional Verification. Surrounded by flatwoods (60%) and cow pasture (40%). Mine to the North.</p>					
<p>Assessment Area Description:</p> <p>Large herbaceous wetland with deep water throughout bordering cow pasture and wetlands.</p>					
<p>Significant Nearby Features:</p> <p><1 mile North of Brushy Creek.</p>			<p>Uniqueness (considering the relative rarity in relation to the regional landscape.)</p> <p>None</p>		
<p>Functions:</p> <p>Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.</p>			<p>Mitigation for previous permit/other historic use:</p> <p>None</p>		
<p>Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)</p> <p>Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge</p>			<p>Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area):</p> <p>Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)</p>		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>Cattle, armadillo, little blue heron, great egret</p>					
<p>Additional relevant factors:</p> <p>Property line runs through Northern section of wetland.</p>					
<p>Assessment conducted by:</p> <p>SMG/JJB</p>				<p>Assessment date(s):</p> <p>30-Sep-2011</p>	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 02W-08-I
Impact or Mitigation Impact	Assessment conducted by: SMG/JJB	Assessment Date: 30-Sep-2011

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Surrounded by hardwoods (60%) and pasture (40%) Surrounded by moderate or varying width of native habitat within active cattle operation. In very close proximity to large interconnected ditching network. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have significant adverse impacts on wildlife.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	6-8" deep water throughout center; cattle influence; good zonation. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	5	0		
.500(7)(c) Community Structure	Juncus and Spartina - outer edge, Pontederia dominates center, Hypericum, Bidens mitis. Trees in center- Sweet Bay Magnolia, wax myrtle, Salix. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Majority of plant covers is desirable plant species in all strata. Much lower/higher quantity of good structure habitat (see rule for details) Reduction in extent of topo features. Moderate degree of siltation/algal growth to impede submerged aquatic plant growth.			
	w/o pres or current	with		
	5	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.4667 0.0000

Delta = [with-current]:
-0.4667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	12.048746
FL= delta x acres =	-5.6227 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 02W-10-I	
FLUCCs Code: 630-641		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 1.4538
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>A stream flows in from the North and out from the South of this wetland into another wetland. Surrounded by hardwoods; pasture and flatwoods nearby (~100 yards to the North and South, respectively).</p>					
<p>Assessment Area Description:</p> <p>Streams flow in and out of this wetland, connecting it to other wetlands. Surrounded by hardwoods with pasture nearby.</p>					
Significant Nearby Features: ~.5 mile North of Brushy Creek			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle, fish					
Additional relevant factors:					
Assessment conducted by: SMG/JJB				Assessment date(s): 30-Sep-2011	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 02W-10-I
Impact or Mitigation Impact	Assessment conducted by: SMG/JJB	Assessment Date: 30-Sep-2011

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Streams flow in/ out of this wetland connecting it to two other wetlands. Bordered by hardwoods; pasture surrounds hardwoods on E; flatwoods surround hardwoods on W. Surrounded by moderate or varying width of native habitat within active cattle operation. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Wildlife access to/from AA is partially limited by distance or barriers. Area Land Uses have minimal adverse impacts on wildlife.			
	w/o pres or current	with		
	7	0		
.500(7)(b) Water Environment (n/a for uplands)	Standing water throughout. Pig and cattle influence. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	6	0		
.500(7)(c) Community Structure	Dominated by Polygonum, juncus, mikania throughout. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Very heavily grazed; rooting on edges. Lack topographic features. Much lower/higher quantity of good structure habitat (see rule for details) Minor degree of siltation/algal growth to impede submerged aquatic plant growth.			
	w/o pres or current	with		
	4	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.5667 0.0000

Delta = [with-current]:
-0.5667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	1.4538021
FL= delta x acres =	-0.8238 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 02W-16-I	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 1.7261
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Hydrologically isolated but deemed jurisdictional in the 2012 USACE Jurisdictional Verification. Surrounded by pasture.				
Assessment Area Description: Herbaceous wetland dominated by Juncus.				
Significant Nearby Features: ~3/4 mile North of Brushy Creek		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle				
Additional relevant factors:				
Assessment conducted by: SAE/LMP			Assessment date(s): 24-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 02W-16-I
Impact or Mitigation Impact	Assessment conducted by: sae/lmp	Assessment Date: 24-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Completely surrounded by pasture. In very close proximity to large interconnected ditching network. Area Land Uses have significant adverse impacts on wildlife. Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have significant adverse impacts on wildlife.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Moist soil. Cattle influence. Vegetation is evidence that water was recently there. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area.			
	w/o pres or current	with		
	5	0		
.500(7)(c) Community Structure	Juncus, Spartina, Eleocharis, Polygonum, some Pontederia in center, Panicum. Evidence of algae. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Lack topographic features. Majority of plant covers is by undesirable plant species (invasive/exotic) in all strata. Much lower/higher quantity of good structure habitat (see rule for details) Land Management Practices resulted in partial removal/alteration of natural structures, add some artificial features.			
	w/o pres or current	with		
	3	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.4000 0.0000

Delta = [with-current]:
-0.4000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	1.7260868
FL= delta x acres =	-0.6904 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 02W-18-I	
FLUCCs Code: 641		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 4.2168
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Hydrologically isolated but deemed jurisdictional in the 2012 USACE Jurisdictional Verification. Surrounded by pasture. Mine to the North.</p>					
<p>Assessment Area Description:</p> <p>Herbaceous wetland surrounded by cattle pasture.</p>					
<p>Significant Nearby Features:</p> <p><1 mile NE of Brushy Creek</p>			<p>Uniqueness (considering the relative rarity in relation to the regional landscape.)</p> <p>None</p>		
<p>Functions:</p> <p>Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.</p>			<p>Mitigation for previous permit/other historic use:</p> <p>None</p>		
<p>Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)</p> <p>Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge</p>			<p>Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area):</p> <p>Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)</p>		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>Cattle</p>					
<p>Additional relevant factors:</p>					
<p>Assessment conducted by:</p> <p>LMP/SAE</p>				<p>Assessment date(s):</p> <p>21-Feb-2005</p>	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 02W-18-I
Impact or Mitigation Impact	Assessment conducted by: Imp/sae	Assessment Date: 21-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Completely surrounded by pasture. ~100 yards S of flatwoods. In very close proximity to large interconnected ditching network. Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have severe adverse impacts on wildlife.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Water is 6-8" in depth. Ditch connects on E side to other wetlands. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area.			
	w/o pres or current	with		
	5	0		
.500(7)(c) Community Structure	Ludwi per throughout. Pontederia throughout center. Juncus in outer area. Bidens mitis throughout. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Minor degree of siltation/algal growth to impede submerged aquatic plant growth. Much lower/higher quantity of good structure habitat (see rule for details) Land Management Practices resulted in partial removal/alteration of natural structures, add some artificial features. Reduction in extent of topo features.			
	w/o pres or current	with		
	4	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.4333 0.0000

Delta = [with-current]:
-0.4333

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	4.2168198
FL= delta x acres =	-1.8273 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 02W-20-I	
FLUCCs Code: 641-6415		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.3081
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Completely surrounded by pasture and connected to a series of agricultural ditches. Mine to the North.</p>					
<p>Assessment Area Description: Small herbaceous wetland dominate by Juncus.</p>					
<p>Significant Nearby Features: <1 mile NE of Brushy Creek</p>			<p>Uniqueness (considering the relative rarity in relation to the regional landscape.) None</p>		
<p>Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.</p>			<p>Mitigation for previous permit/other historic use: None</p>		
<p>Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge</p>			<p>Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)</p>		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle</p>					
<p>Additional relevant factors:</p>					
<p>Assessment conducted by: LMP/SAE</p>				<p>Assessment date(s): 21-Feb-2005</p>	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 02W-20-I
Impact or Mitigation Impact	Assessment conducted by: Imp/sae	Assessment Date: 21-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Completely surrounded by pasture. In very close proximity to large interconnected ditching network. Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have severe adverse impacts on wildlife.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Dry at time of assessment. Cattle influence. Ditch touches wetland on SW side. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area.			
	w/o pres or current	with		
	4	0		
.500(7)(c) Community Structure	Dominated by Juncus and Eleocharis dominates ground cover. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Structural habitat not present. Land Management Practices resulted in partial removal/alteration of natural structures, add some artificial features. Lack topographic features. Majority of plant covers is desirable plant species in all strata .			
	w/o pres or current	with		
	2	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.3333	0.0000

Delta = [with-current]:
-0.3333

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.308113
FL= delta x acres =	-0.1027 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 02W-22-I	
FLUCCs Code: 641-6415		Further Classification: N/A		Impact or Mitigation Site?: Impact	Assessment Area Size (ac): 1.1315
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Hydrologically isolated but deemed jurisdictional in the 2012 USACE Jurisdictional Verification. Surrounded primarily by pasture; some scattered hardwoods to the East.</p>					
<p>Assessment Area Description:</p> <p>Small herbaceous wetland surrounded by pasture.</p>					
<p>Significant Nearby Features:</p> <p>< 1mile NE of Brushy Creek</p>			<p>Uniqueness (considering the relative rarity in relation to the regional landscape.)</p> <p>None</p>		
<p>Functions:</p> <p>Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.</p>			<p>Mitigation for previous permit/other historic use:</p> <p>None</p>		
<p>Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)</p> <p>Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge</p>			<p>Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area):</p> <p>Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)</p>		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>Cattle</p>					
<p>Additional relevant factors:</p>					
<p>Assessment conducted by:</p> <p>SMG/JJB</p>				<p>Assessment date(s):</p> <p>30-Sep-2011</p>	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 02W-22-I
Impact or Mitigation Impact	Assessment conducted by: SMG/JJB	Assessment Date: 30-Sep-2011

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Surrounded primarily by pasture with scattered hardwoods to the E. Surrounded by low intensity agriculture and/or pasture. Little native available outside AA. In very close proximity to large interconnected ditching network. Area Land Uses have significant adverse impacts on wildlife. Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have significant adverse impacts on wildlife.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Water in the center is about 6-8" deep. Cattle influence. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	5	0		
.500(7)(c) Community Structure	Small amount of Ludwi per. Spartina, Juncus, Hyper fas, Pontederia dominates the center. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Majority of plant covers is desirable plant species in all strata. Minimal cover by invasive/exotic plant species. Minimal evidence of regeneration/recruitment. Much lower/higher quantity of good structure habitat (see rule for details) Land Management Practices resulted in partial removal/alteration of natural structures, add some artificial features. Reduction in extent of topo features.			
	w/o pres or current	with		
	4	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.4333	0.0000

Delta = [with-current]:
-0.4333

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	1.1315157
FL= delta x acres =	-0.4903 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 02W-24-I	
FLUCCs Code: 641-6415-513	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 3.9904
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by cattle pasture. Ditches on SW and NE going to other wetlands.				
Assessment Area Description: Herbaceous wetland surrounded by cattle pasture. Property line runs through wetland.				
Significant Nearby Features: Brushy Creek <1 mile SW		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle				
Additional relevant factors:				
Assessment conducted by: SMG/JJB			Assessment date(s): 30-Sep-2011	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 02W-24-I
Impact or Mitigation Impact	Assessment conducted by: SMG/JJB	Assessment Date: 30-Sep-2011

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Primarily surrounded by pasture with some scattered hardwoods to the W. Surrounded by low intensity agriculture and/or pasture. Little native available outside AA. In very close proximity to large interconnected ditching network. Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have severe adverse impacts on wildlife.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Cattle influence. Ditches out of SW corner and NE area of wetland. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	5	0		
.500(7)(c) Community Structure	Heavily grazed Juncus dominates outer zone, Pontederia dominates center. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Majority of plant covers is desirable plant species in all strata. Minimal evidence of regeneration/recruitment. Much lower/higher quantity of good structure habitat (see rule for details) Land Management Practices resulted in partial removal/alteration of natural structures, add some artificial features. Reduction in extent of topo features.			
	w/o pres or current	with		
	4	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.4333	0.0000

Delta = [with-current]:
-0.4333

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	3.9903642
FL= delta x acres =	-1.7292 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 02W-28-I	
FLUCCs Code: 641		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.7803
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Surrounded by cattle pasture. Ditch connected at NE and on West side of wetland.</p>					
<p>Assessment Area Description:</p> <p>Herbaceous wetland dominated by Juncus and surrounded by cattle pasture.</p>					
<p>Significant Nearby Features:</p> <p>~3/4 mile N of Brushy Creek</p>			<p>Uniqueness (considering the relative rarity in relation to the regional landscape.)</p> <p>None</p>		
<p>Functions:</p> <p>Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.</p>			<p>Mitigation for previous permit/other historic use:</p> <p>None</p>		
<p>Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)</p> <p>Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge</p>			<p>Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area):</p> <p>Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)</p>		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>Cattle, armadillo</p>					
<p>Additional relevant factors:</p>					
<p>Assessment conducted by:</p> <p>SAE/LMP</p>				<p>Assessment date(s):</p> <p>24-Feb-2005</p>	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 02W-28-I
Impact or Mitigation Impact	Assessment conducted by: sae/lmp	Assessment Date: 24-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Surrounded by pasture. Ditch at NE and W sides of the wetland. Surrounded by low intensity agriculture and/or pasture. Little native available outside AA. In very close proximity to large interconnected ditching network. Area Land Uses have severe adverse impacts on wildlife. Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have significant adverse impacts on wildlife.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Moist soil. Cattle influence. Two ditches connected to this wetland. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area.			
	w/o pres or current	with		
	4	0		
.500(7)(c) Community Structure	Juncus, Spartina, Bahia grass, Eleocharis, Pontederia, Polygonum, Ludwigia repens, lots of wetland ground cover. Evidence of algae. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Majority of plant covers is desirable plant species in all strata. Much lower/higher quantity of good structure habitat (see rule for details) Reduction in extent of topo features. Moderate degree of siltation/algal growth to impede submerged aquatic plant growth.			
	w/o pres or current	with		
	4	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.4000	0.0000

Delta = [with-current]:
-0.4000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.7803078
FL= delta x acres =	-0.3121 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 02W-33-I	
FLUCCs Code: 641-513	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.1197
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Part of ditch network				
Assessment Area Description: Ditch				
Significant Nearby Features: None		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) None				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 02W-33-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10) Condition is optimal and fully supports wetland/surface water functions	Moderate (7) Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal (4) Minimal level of support of wetland/surface water functions	Not Present (0) Condition is insufficient to provide wetland/surface water functions
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.500(7)(a) Location and Landscape Support	In very close proximity to large interconnected ditching network. Area Land Uses have severe adverse impacts on wildlife. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I.			
	w/o pres or current	with		
	4	0		

.500(7)(b) Water Environment (n/a for uplands)	Heavy cattle influence. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area.			
	w/o pres or current	with		
	3	0		

.500(7)(c) Community Structure	Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Much lower/higher quantity of good structure habitat (see rule for details) Structural habitat not present.			
	w/o pres or current	with		
	2	0		

Score = sum of above scores/30 (if uplands, divide by 20)		
0.3000		0.0000

Delta = [with-current]:
-0.3000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.119667
FL= delta x acres =	-0.0359 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 02W-34-I	
FLUCCs Code: 641-617-643-626-511	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 4.8836
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Stream flows in from North and another flows out from South connecting wetland to two wetlands, partially surrounded by flatwoods (40%) and pasture (60%).</p>				
<p>Assessment Area Description:</p> <p>Herbaceous wetland dominated by smartweed and Juncus</p>				
Significant Nearby Features: 0.5 mile N of Brushy Creek		<p>Uniqueness (considering the relative rarity in relation to the regional landscape.)</p> <p>None</p>		
<p>Functions:</p> <p>Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.</p>		<p>Mitigation for previous permit/other historic use:</p> <p>None</p>		
<p>Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)</p> <p>Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge</p>		<p>Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area):</p> <p>Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)</p>		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>Cattle, fish</p>				
<p>Additional relevant factors:</p> <p>None</p>				
Assessment conducted by: SMG/JJB			Assessment date(s): 30-Sep-2011	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 02W-34-I
Impact or Mitigation Impact	Assessment conducted by: SMG/JJB	Assessment Date: 30-Sep-2011

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	stream flows in from N connecting to a N wetland; out from S, connecting with S wetland. surrounded by pasture (60%); flatwoods (40%) land uses have adverse effects Surrounded by moderate or varying width of native habitat within active cattle operation Wildlife access to/from AA is partially limited by distance or barriers. Area Land Uses have significant adverse impacts on wildlife.			
	w/o pres or current	with		
	6	0		
.500(7)(b) Water Environment (n/a for uplands)	Standing water. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. areas of open watercattle influence Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	6	0		
.500(7)(c) Community Structure	Pontedaria, lizard's tail, with smartweed and a few patches of Juncus. Grazing and lack of land maintenance have diminished community structure. Heavily grazed-dominated by transitional/cattle-tolerant species (bahia, slash pine, juncus, smartweed, etc.) Moderate degree of siltation/algal growth to impede submerged aquatic plant growth. Much lower/higher quantity of good structure habitat (see rule for details) Majority of plant covers is desirable plant species in all strata .			
	w/o pres or current	with		
	5	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.5667 0.0000

Delta = [with-current]:
-0.5667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	4.8835610
FL= delta x acres =	-2.7674 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 02W-36-I	
FLUCCs Code: 641-6415	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 4.0320
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by pasture, ditch drains from SE connecting to another wetland.				
Assessment Area Description: Herbaceous wetland				
Significant Nearby Features: Brushy Creek < 1 mile SW		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle, armadillo				
Additional relevant factors: None				
Assessment conducted by: SAE/LMP			Assessment date(s): 24-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 02W-36-I
Impact or Mitigation Impact	Assessment conducted by: SAE/LMP	Assessment Date: 24-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	surrounded by pastureditch drains down this wetland to anotherland uses have adverse effectswildlife access limitedhabitats outside AA don't support wildlife. In very close proximity to large interconnected ditching network. Area Land Uses have significant adverse impacts on wildlife. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	dry at TOAcattle influence. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area.			
	w/o pres or current	with		
	3	0		
.500(7)(c) Community Structure	Bahia grass, Juncus, Spartina, some Andropogon, algae. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Much lower/higher quantity of good structure habitat (see rule for details) Majority of plant covers is desirable plant species in all strata . Moderate degree of siltation/algal growth to impede submerged aquatic plant growth.			
	w/o pres or current	with		
	5	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.4000 0.0000

Delta = [with-current]:
-0.4000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	4.0319641
FL= delta x acres =	-1.6128 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 02W-38-I	
FLUCCs Code: 641-6415	Further Classification: N/A		Impact or Mitigation Site?: Impact	Assessment Area Size (ac): 2.3497
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by pasture, connected to another wetland.				
Assessment Area Description: Herbaceous wetland surrounded by pasture and dominated by Juncus				
Significant Nearby Features: Brushy Creek < 1 mile to SW		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle, hogs, bird tracks (4" long), raccoon				
Additional relevant factors: None				
Assessment conducted by: SMG/JJB			Assessment date(s): 30-Sep-2011	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 02W-38-I
Impact or Mitigation Impact	Assessment conducted by: SMG/JJB	Assessment Date: 30-Sep-2011

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10) Condition is optimal and fully supports wetland/surface water functions	Moderate (7) Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal (4) Minimal level of support of wetland/surface water functions	Not Present (0) Condition is insufficient to provide wetland/surface water functions
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.500(7)(a) Location and Landscape Support	surrounded by pasture. ditch drains from this wetland to another surrounded by moderate or varying width of native habitat within active cattle op. In very close proximity to large interconnected ditching network. Area Land Uses have significant adverse impacts on wildlife. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	cattle and hog influenced ditch drains from this wetland to another (oil sheen). Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	4	0		
.500(7)(c) Community Structure	Grazing/lack of land maint.(hog control, fire, etc.)diminished comm. Structure. Heavily grazed, dominated by transitional&cattle tolerant species(bahia,slash pine,juncus, smartweed, etc.) Much lower/higher quantity of good structure habitat (see rule for details) Lack topographic features. Moderate degree of siltation/algal growth to impede submerged aquatic plant growth. Majority of plant covers is desirable plant species in all strata . High degree of siltation/algal growth to impede submerged aquatic plant growth.			
	w/o pres or current	with		
	3	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.3667 0.0000

Delta = [with-current]:
-0.3667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	2.3496663
FL= delta x acres =	-0.8615 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

** FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.*

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 02W-40-I	
FLUCCs Code: 641		Further Classification: N/A		Impact or Mitigation Site? Impact	
				Assessment Area Size (ac): 3.3786	
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class		Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A	
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Surrounded by cattle pasture, ditch coming in from North, nearest wetland 50 yds to the East.</p>					
<p>Assessment Area Description:</p> <p>Herbaceous wetland dominated by Juncus on outer zone and L. peruviana and Pontedaria in middle</p>					
Significant Nearby Features: Brushy Creek			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle, sandhill cranes					
Additional relevant factors: None					
Assessment conducted by: SAE/LMP				Assessment date(s): 24-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 02W-40-I
Impact or Mitigation Impact	Assessment conducted by: SAE/LMP	Assessment Date: 24-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	surrounded by pastureditch comes in on Nnearest wetland approximately 50 yds to the E. In very close proximity to large interconnected ditching network. Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have severe adverse impacts on wildlife. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	heavy cattle influence, good zonation, standing water TOA. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Water levels and flow moderately higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	4	0		
.500(7)(c) Community Structure	Azolla, Pontedaria, Juncus, Ludwi perminor algae, lots of wetland groundcover. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Much lower/higher quantity of good structure habitat (see rule for details) Lack topographic features. Majority of plant covers is by undesirable plant species (invasive/exotic) in all strata . Moderate degree of siltation/algal growth to impede submerged aquatic plant growth. Land Management Practices resulted in partial removal/alteration of natural structures, add some artificial features.			
	w/o pres or current	with		
	3	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.3667 0.0000

Delta = [with-current]:
-0.3667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	3.3786423
FL= delta x acres =	-1.2388 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 02W-42-I	
FLUCCs Code: 641-6417-630-6415		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 5.8328
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by pasture, ditch drains from Southeast to another wetland.					
Assessment Area Description: Mostly herbaceous wetland with scattered hardwoods in North area					
Significant Nearby Features: < 0.25 mile N of Brushy Creek			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle					
Additional relevant factors: None					
Assessment conducted by: LMP/SAE				Assessment date(s): 22-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 02W-42-I
Impact or Mitigation Impact	Assessment conducted by: LMP/SAE	Assessment Date: 22-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	surrounded by pastureditch drains from this wetland to another (ditch goes to wetland where Brushy Creek flows)land uses have adverse effectswildlife access limitedhabitats outside AA don't support wildlife Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have significant adverse impacts on wildlife.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	High nutrient levels evident, deep standing water, few small patches of open water. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	6	0		
.500(7)(c) Community Structure	heavy Ludwi per in middle, remainder dom. by Juncus, w/Pontedaria, wetland groundcover - grasses, Polygonum, wooded area includes maple, Salix, pines, oaks, wax myrtle. Grazing, lack of land maint. (hog control, fire, etc.) diminished comm structure Majority of plant covers is by undesirable plant species (invasive/exotic) in all strata . Age/size distribution atypical, show permanent deviations. Much lower/higher quantity of good structure habitat (see rule for details) Reduction in extent of topo features. Moderate degree of siltation/algal growth to impede submerged aquatic plant growth.			
	w/o pres or current	with		
	4	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.4667	0.0000

Delta = [with-current]:
-0.4667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	5.8327863
FL= delta x acres =	-2.7220 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 02W-44-I	
FLUCCs Code: 630-617-511	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 1.3662
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands This is a wetland that surrounds a Brushy Creek tributary that flows from one wetland to another.				
Assessment Area Description: Floodplain wetland connecting two wetlands Brushy Creek tributary				
Significant Nearby Features: 400 yds E of Brushy Creek		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Raccoon, cattle, fish, deer, armadillo				
Additional relevant factors: None				
Assessment conducted by: SMG/JJB			Assessment date(s): 30-Sep-2011	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 02W-44-I
Impact or Mitigation Impact	Assessment conducted by: SMG/JJB	Assessment Date: 30-Sep-2011

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	primarily surrounded by pasture. Narrow buffer of native vegetation, but limited habitat outside the immediate vicinity. Little surrounding upland habitat available. some scattered hardwoods connects 2 wetlands. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Area Land Uses have significant adverse impacts on wildlife. Wildlife access to/from AA is partially limited by distance or barriers.			
	w/o pres or current	with		
	5	0		
.500(7)(b) Water Environment (n/a for uplands)	Certain areas eroded by cattle/jeep paths. Regional ditching/land mgmt activities altered natural sheet flow in area. Several crossings, vegetated channel suggesting reduced flow-possibly because of land use changes and reduced watershed to the north.			
	w/o pres or current	with		
	5	0		
.500(7)(c) Community Structure	smartweed throughout, patches of Iris and Pontederia, Juncus, bank vegetation consists of oaks, pines, and palmettos, several fallen trees. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Majority of plant covers is desirable plant species in all strata. Evidence of near normal regeneration/recruitment. Age/size distribution typical, may show temporary deviations. Slightly lower/higher quantity of good structural habitat (see rule for details). Topo features slightly less optimal.			
	w/o pres or current	with		
	7	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.5667	0.0000

Delta = [with-current]:
-0.5667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	1.3661726
FL= delta x acres =	-0.7742 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 02W-52-I	
FLUCCs Code: 641-626-511	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.7330
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by pasture, ditch drains in from NE stream flows fromouth to another wetland.				
Assessment Area Description: Forested wetland				
Significant Nearby Features: Brushy Creek		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle, hogs, fish				
Additional relevant factors: None				
Assessment conducted by: LMP/SAE			Assessment date(s): 22-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 02W-52-I
Impact or Mitigation Impact	Assessment conducted by: LMP/SAE	Assessment Date: 22-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	ditch comes in from another wetlandBrushy Creek flows S to another wetlandimpacts Brushy Creeksurrounded by pasture Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support from many species in Pt. I. Area Land Uses have significant adverse impacts on wildlife. Wildlife access to/from AA is partially limited by distance or barriers.			
	w/o pres or current	with		
	5	0		
.500(7)(b) Water Environment (n/a for uplands)	Patch of open water in center, moist soil throughout the rest of the wetland. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
	w/o pres or current	with		
	6	0		
.500(7)(c) Community Structure	Juncus, Polygonum, grazing grass, pines, wax myrtle, laurel oak. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Majority of plant covers is desirable plant species in all strata . Evidence of near normal regeneration/recruitment. Age/size distribution typical, may show temporary deviations. Slightly lower/higher quantity of good structural habitat (see rule for details). Topo features slightly less optimal.			
	w/o pres or current	with		
	6	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.5667 0.0000

Delta = [with-current]:
-0.5667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.7330218
FL= delta x acres =	-0.4154 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 02W-56A-I	
FLUCCs Code: 617		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.0183
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Two ditches come in from North; connected to other wetlands. Surrounded by cattle pasture.</p>					
<p>Assessment Area Description:</p> <p>Forested wetland connected to other wetlands surrounded by cattle pasture.</p>					
<p>Significant Nearby Features:</p> <p>~0.5 mi NE of Brushy Creek</p>			<p>Uniqueness (considering the relative rarity in relation to the regional landscape.)</p> <p>None</p>		
<p>Functions:</p> <p>Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.</p>			<p>Mitigation for previous permit/other historic use:</p> <p>None</p>		
<p>Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)</p> <p>Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge</p>			<p>Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area):</p> <p>Wading birds foraging (SSC by FFWCC)</p>		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>Cattle, lots of birds, raccoon, deer, fish, furry mammal dung</p>					
<p>Additional relevant factors:</p>					
<p>Assessment conducted by:</p> <p>SAE/LMP</p>				<p>Assessment date(s):</p> <p>24-Feb-2005</p>	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 02W-56A-I
Impact or Mitigation Impact	Assessment conducted by: Tim Neldner/Biological Research Associates	Assessment Date: 23-Mar-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10) Condition is optimal and fully supports wetland/surface water functions	Moderate (7) Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal (4) Minimal level of support of wetland/surface water functions	Not Present (0) Condition is insufficient to provide wetland/surface water functions
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.500(7)(a) Location and Landscape Support	connected to other wetlands2 ditches drain in from Nsurrounded by pastureland uses have adverse effects Area Land Uses have significant adverse impacts on wildlife. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Cattle influence, evidence of high nutrient levels. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area.			
	w/o pres or current	with		
	7	0		
.500(7)(c) Community Structure	sweet bay, Woodw vir, Cladi jam, Polygonum, red maple, L. oak, L. spongia (abundant), Commelina diffusa, w. myrtle, s. gum, duckweed, Juncus, Iris, Thalia, Azolla, palmetto.Grazing, lack of land maint. (hog control, fire, etc.) diminished comm structure Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species .			
	w/o pres or current	with		
	7	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.6000 0.0000

Delta = [with-current]:
-0.6000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.0183195
FL= delta x acres =	-0.0110 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 02W-56C-I	
FLUCCs Code: 641-643		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 3.0174
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected to other wetlands, partially surrounded by pasture (~75%) and hardwoods.					
Assessment Area Description: Herbaceous wetland surrounded by pasture and hardwoods.					
Significant Nearby Features: ~3/4 mi NE Brushy Creek			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle, little grass frog					
Additional relevant factors:					
Assessment conducted by: SMG/JJB			Assessment date(s): 30-Sep-2011		

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 02W-56C-I
Impact or Mitigation Impact	Assessment conducted by: SMG/JJB	Assessment Date: 30-Sep-2011

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	surrounded by pasture (75%) and hardwoods connected to large wetlandland uses have adverse effects limited habitat available outside of AA Area Land Uses have severe adverse impacts on wildlife. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Ditch draining from S end, cattle influence. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	4	0		
.500(7)(c) Community Structure	Dominated by Juncus (~70%); heavily grazed & trampled. Pig damage at edges. Spartina, Juncus, Pontedaria, P. hemitomon, road grass, Bacopa, grassy Sagittaria. Moderate degree of siltation/algal growth to impede submerged aquatic plant growth. Much lower/higher quantity of good structure habitat (see rule for details) Reduction in extent of topo features.			
	w/o pres or current	with		
	4	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.4000 0.0000

Delta = [with-current]:
-0.4000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	3.0173959
FL= delta x acres =	-1.2070 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 02W-60-I	
FLUCCs Code: 641-6415-613	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 1.1408
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected to wetland to the East. Surrounded by cattle pasture. Natural stream ~200 yards West.				
Assessment Area Description: Herbaceous wetland surrounded by cattle pasture				
Significant Nearby Features: Brushy Creek <1 mi SW		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle				
Additional relevant factors:				
Assessment conducted by: SMG/JJB			Assessment date(s): 30-Sep-2011	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 02W-60-I
Impact or Mitigation Impact	Assessment conducted by: SMG/JJB	Assessment Date: 30-Sep-2011

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	surrounded by pasture. Surrounded by low intensity agriculture and/or pasture. Little native available outside AA.Brushy Creek < 1 mile to SWnatural stream < 200 yds to the W Area Land Uses have significant adverse impacts on wildlife. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Connected to wetland to the E, moist soil, cattle influence. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area.			
	w/o pres or current	with		
	3	0		
.500(7)(c) Community Structure	Dominated by Juncus and other cattle-tolerant and facultative species. Few patches of Spartina, road grass abundant, little structural habitat. Grazing & lack of land maintenance (hog control, fire, etc.) have diminished community structure. No typical age/size distribution. Reduction in extent of topo features.			
	w/o pres or current	with		
	2	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.3000 0.0000

Delta = [with-current]:
-0.3000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	1.1408334
FL= delta x acres =	-0.3423 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

** FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.*

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 02W-62-I	
FLUCCs Code: 613-641		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.5283
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected to wetland; ditch drains at South point surrounded by cattle pasture.					
Assessment Area Description: Forested wetland with several spoils within surrounded by cattle pasture.					
Significant Nearby Features: Brushy Creek<1 mi SW			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle					
Additional relevant factors:					
Assessment conducted by: LMP/SAE				Assessment date(s): 24-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 02W-62-I
Impact or Mitigation Impact	Assessment conducted by: LMP/SAE	Assessment Date: 24-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	surrounded by pasture. Surrounded by low intensity agriculture and/or pasture. Little native available outside AA.Brushy Creek < 1 mile to the SWNatural stream < 300 yds to the W Area Land Uses have significant adverse impacts on wildlife. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Connected to wetland to the W, ditch drains to the S. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
	w/o pres or current	with		
	6	0		
.500(7)(c) Community Structure	lots of wetland groundcover, Juncus, Polygonum, laurel oaks, saw palmetto, sweet bay, Fraxinus some fallen trees. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Majority of plant covers is desirable plant species in all strata . Evidence of near normal regeneration/recruitment. Age/size distribution typical, may show temporary deviations. Much lower/higher quantity of good structure habitat (see rule for details) Topo features slightly less optimal.			
	w/o pres or current	with		
	6	0		

Score = sum of above scores/30 (if uplands, divide by 20)		
0.5333		0.0000

Delta = [with-current]:
-0.5333

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.5283442
FL= delta x acres =	-0.2818 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 02W-74-I	
FLUCCs Code: 641-6415	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.3887
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by cattle pasture and connected to an in-line wetland system by an agricultural ditch. Flatwoods <50 yds E. Brushy creek <1 mi SW.				
Assessment Area Description: This is a 0.39-acre herbaceous wetland dominated by Juncus surrounded by cattle pasture.				
Significant Nearby Features: Brushy Creek <1 mi SW		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Rabbit				
Additional relevant factors:				
Assessment conducted by: LMP/SAE			Assessment date(s): 24-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 02W-74-I
Impact or Mitigation Impact	Assessment conducted by: LMP/SAE/smg	Assessment Date: 24-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	surrounded by pastureflatwoods < 50 yds EBrushy Creek < 1 mile SW Area Land Uses have significant adverse impacts on wildlife. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Dry at time of assessment. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Vegetation shows strong signs of hydrologic stress. Plant community composition is characterized predominately by species tolerant of and associated with highly degraded water/alterations in inundation/saturation (freq, depth, duration).			
	w/o pres or current	with		
	2	0		
.500(7)(c) Community Structure	Juncus, little wetland groundcoverBahia grass/ grazing grass throughoutLittle structural habitat. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. No evidence of regeneration/recruitment. Majority of plant covers is by undesirable plant species (invasive/exotic) in all strata .			
	w/o pres or current	with		
	2	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.2667 0.0000

Delta = [with-current]:
-0.2667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.3886768
FL= delta x acres =	-0.1036 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 02W-78-I	
FLUCCs Code: 611-641-6415		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 1.6063
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Surrounded by cattle pasture, ditch drains wetland from North into area and again downstream out of South part of wetland.</p>					
<p>Assessment Area Description:</p> <p>Forested wetland; herbaceous on South end surrounded by cattle pasture.</p>					
Significant Nearby Features: BC <1/4 mi SW			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>Cattle, cardinal</p>					
Additional relevant factors:					
Assessment conducted by: LMP/SAE				Assessment date(s): 24-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 02W-78-I
Impact or Mitigation Impact	Assessment conducted by: SAE/LMP/msg	Assessment Date: 24-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10) Condition is optimal and fully supports wetland/surface water functions	Moderate (7) Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal (4) Minimal level of support of wetland/surface water functions	Not Present (0) Condition is insufficient to provide wetland/surface water functions
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.500(7)(a) Location and Landscape Support	surrounded by pastureBrushy Creek < 0.25 mile SW Area Land Uses have significant adverse impacts on wildlife. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Ditch drains wetland N of area into wetland, another ditch drains wetland S. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area.			
	w/o pres or current	with		
	4	0		
.500(7)(c) Community Structure	oaks, saw palmetto, Sauru cer(dominates), patch of Juncus, sweet bay (abundant). Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Majority of plant covers is desirable plant species in all strata . Evidence of near normal regeneration/recruitment. Age/size distribution typical, may show temporary deviations. Slightly lower/higher quantity of good structural habitat (see rule for details). Topo features slightly less optimal.			
	w/o pres or current	with		
	6	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.4667 0.0000

Delta = [with-current]:
-0.4667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	1.6063091
FL= delta x acres =	-0.7496 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 03E-02-I	
FLUCCs Code: 617-641-6415-513	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 16.5636
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands East portion of larger wetland surrounded by cattle pasture. Mine <200 yds North.				
Assessment Area Description: East portion of larger wetland; dry along edges; moist soil and standing water towards center. Dominated by Juncus surrounded by cattle pasture and scattered oaks and maples.				
Significant Nearby Features: Active mine to the north		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cow, frog				
Additional relevant factors:				
Assessment conducted by: SMG/Matt Wilson			Assessment date(s): 22-Sep-2011	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 03E-02-I
Impact or Mitigation Impact	Assessment conducted by: SMG/JJB	Assessment Date: 30-Sep-2011

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10) Condition is optimal and fully supports wetland/surface water functions	Moderate (7) Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal (4) Minimal level of support of wetland/surface water functions	Not Present (0) Condition is insufficient to provide wetland/surface water functions
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.500(7)(a) Location and Landscape Support	Surrounded by woodland pasture. Mine <100 yds N. Connected to wetland to S. Narrow buffer of native veg., limited habitat outside the immediate vicinity. Land mgmt practices have eliminated much of the structural complexity in area. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have significant adverse impacts on wildlife.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	No zonation. Part of a system surrounded by a network of deep ditches which is affecting hydrology. Land use practices to the N are also affecting drainage into this system.			
	w/o pres or current	with		
	4	0		
.500(7)(c) Community Structure	Dominated by Juncus with some scattered hardwoods; very heavily grazed and rooted. No typical age/size distribution. Much lower/higher quantity of good structure habitat (see rule for details) Reduction in extent of topo features. Majority of plant covers is desirable plant species in all strata.			
	w/o pres or current	with		
	3	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.3667 0.0000

Delta = [with-current]:
-0.3667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	16.563625
FL= delta x acres =	-6.0733 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 03E-06A-I	
FLUCCs Code: 617-641-616-		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 45.2416
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Large forested wetland extending past property line surrounded by cattle pasture. Four upland areas within this wetland.</p>					
<p>Assessment Area Description:</p> <p>Large forested wetland extending past property line surrounded by cattle pasture. Four upland areas within this wetland. Deep water throughout, Lemna covering some surfaces.</p>					
Significant Nearby Features: Troublesome Creek			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American alligator (T by FWS). Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle, Pig, Deer, Small birds					
Additional relevant factors:					
Assessment conducted by: LMP/SAE				Assessment date(s): 06-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 03E-06A-I
Impact or Mitigation Impact	Assessment conducted by: Imp/sae	Assessment Date: 06-Jan-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	<100 yds E of mined area. Habitat S of area not optimal for wildlife. Little native available outside AA. Cogon grass and other nuisance/ruderal species prevalent in area. Land mgmt practices have eliminated much of the structural complexity in area . Area Land Uses have significant adverse impacts on wildlife. Wildlife access to/from AA is substantially limited, by distance or barriers.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Cattle influence on perimeter. High nutrient levels evident. Part of a system surrounded by a network of deep ditches which is affecting hydrology. Land use practices to the N are also affecting drainage into this system. Fire history indicates strongly atypical fire frequency or severity due to excessive dryness.			
	w/o pres or current	with		
	5	0		
.500(7)(c) Community Structure	Minor degree of siltation/algal growth to impede submerged aquatic plant growth. Minimal cover by invasive/exotic plant species . Majority of plant covers is desirable plant species in all strata . Age/size distribution typical, may show temporary deviations. Slightly lower/higher quantity of good structural habitat (see rule for details). Topo features slightly less optimal. Moderate degree of siltation/algal growth to impede submerged aquatic plant growth.			
	w/o pres or current	with		
	7	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.5333	0.0000

Delta = [with-current]:
-0.5333

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	45.241605
FL= delta x acres =	-24.1289 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 03E-06B-I	
FLUCCs Code: 641-617		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.1799
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Small southern tip of larger connecting wetland surrounded by cattle pasture. Mine <1/4 mi NW.					
Assessment Area Description: Small southern tip of larger connecting wetland surrounded by cattle pasture.					
Significant Nearby Features: Within large agricultural field.			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle, hog					
Additional relevant factors:					
Assessment conducted by: LMP/SAE			Assessment date(s): 06-Jan-2005		

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 03E-06B-I
Impact or Mitigation Impact	Assessment conducted by: Imp/sae	Assessment Date: 06-Jan-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Connected to a larger wetland to N. Surrounded by pasture. Little native available outside AA. Cogon grass and other nuisance/ruderal species prevalent in area. Land mgmt practices have eliminated much of the structural complexity in area . Area Land Uses have significant adverse impacts on wildlife. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Heavy Cattle Influence. 3"-4" of standing water. No zonation. Part of a system surrounded by a network of deep ditches which is affecting hydrology. Land use practices to the N are also affecting drainage into this system. Water levels and flow moderately higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	4	0		
.500(7)(c) Community Structure	Scattered wetland grasses and Juncus. Minor algae growth on surface of water. No evidence of regeneration/recruitment. Much lower/higher quantity of good structure habitat (see rule for details) Land Management Practices resulted in partial removal/alteration of natural structures, add some artificial features. Reduction in extent of topo features.			
	w/o pres or current	with		
	3	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.3667 0.0000

Delta = [with-current]:
-0.3667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.1798956
FL= delta x acres =	-0.0660 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 03E-08-I	
FLUCCs Code: 6415-641-513	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.8194
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Surrounded by cattle pasture and connected to Troublesome Creek by a series of ditches. Flatwoods, scattered hardwoods, and wetlands <50 yds in all directions. Mine <300 yds North.</p>				
<p>Assessment Area Description:</p> <p>Small herbaceous wetland surrounded by cattle pasture dominated by Juncus.</p>				
<p>Significant Nearby Features:</p> <p>Within historic headwaters of Troublesome Creek that has now been ditched and fragmented.</p>		<p>Uniqueness (considering the relative rarity in relation to the regional landscape.)</p> <p>None</p>		
<p>Functions:</p> <p>Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.</p>		<p>Mitigation for previous permit/other historic use:</p> <p>None</p>		
<p>Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)</p> <p>Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge</p>		<p>Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area):</p> <p>Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)</p>		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>Pig, cattle</p>				
<p>Additional relevant factors:</p>				
<p>Assessment conducted by:</p> <p>SAE/LMP</p>			<p>Assessment date(s):</p> <p>06-Jan-2005</p>	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 03E-08-I
Impact or Mitigation Impact	Assessment conducted by: sae/lmp	Assessment Date: 06-Jan-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Surrounded by woodland pasture. <250 yds S of mined area. 250-300 yds E of pasture. Narrow buffer of native veg, limited habitat outside immediate vicinity. Cogon grass and other nuisance/ruderal species prevalent in area. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have significant adverse impacts on wildlife.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Little zonation, some standing water. Part of a system surrounded by a network of deep ditches which is affecting hydrology. Land use practices to the N are also affecting drainage into this system.			
	w/o pres or current	with		
	4	0		
.500(7)(c) Community Structure	Dominated by Juncus, heavy pig influence. Much lower/higher quantity of good structure habitat (see rule for details) Reduction in extent of topo features.			
	w/o pres or current	with		
	3	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.3667 0.0000

Delta = [with-current]:
-0.3667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.8194005
FL= delta x acres =	-0.3004 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 03E-16-I	
FLUCCs Code: 6415		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 1.2633
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Hydrologically isolated but deemed jurisdictional in the 2012 USACE Jurisdictional Verification.surrounded by pasture.</p>					
<p>Assessment Area Description: Completely dry herbaceous wetland. Hydrologically isolated surrounded by pasture.</p>					
Significant Nearby Features: Within large agricultural field.			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle, hog					
Additional relevant factors:					
Assessment conducted by: LMP/SAE				Assessment date(s): 06-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 03E-16-I
Impact or Mitigation Impact	Assessment conducted by: SAE/LMP	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Surrounded by pasture. Large wetland to NW. Little native available outside AA. Cogon grass and other nuisance/ruderal species prevalent in area. Land mgmt practices have eliminated much of the structural complexity in area. Area Land Uses have severe adverse impacts on wildlife. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers.			
	w/o pres or current	with		
	3	0		
.500(7)(b) Water Environment (n/a for uplands)	Cattle influence. No water at time of assessment. 12: lower Part of a system surrounded by a network of deep ditches which is affecting hydrology. Land use practices to the N are also affecting drainage into this system. Water levels and flow moderately higher/lower than appropriate considering natural variation.			
	w/o pres or current	with		
	4	0		
.500(7)(c) Community Structure	Scattered wetland plants such as grasses, Juncus, and Spartina. Dog fennel surrounds area. No evidence of regeneration/recruitment. Much lower/higher quantity of good structure habitat (see rule for details) Land Management Practices resulted in partial removal/alteration of natural structures, add some artificial features. Reduction in extent of topo features.			
	w/o pres or current	with		
	2	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.3000 0.0000

Delta = [with-current]:
-0.3000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	1.2633179
FL= delta x acres =	-0.3790 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 03E-20-I	
FLUCCs Code: 641-513	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 5.0001
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Surrounded by scattered flatwoods, hardwoods, and cattle pasture. Many wetlands <50yds in all directions. Connected to many wetlands.</p>				
<p>Assessment Area Description:</p> <p>Herbaceous wetland primarily dry with some moist areas dominated by Juncus. AA is North section of a chain of wetlands.</p>				
<p>Significant Nearby Features:</p> <p>Within the historic headwaters to Troublesome Creek that has now been ditched and fragmented.</p>		<p>Uniqueness (considering the relative rarity in relation to the regional landscape.)</p> <p>None</p>		
<p>Functions:</p> <p>Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.</p>		<p>Mitigation for previous permit/other historic use:</p> <p>None</p>		
<p>Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)</p> <p>Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge</p>		<p>Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area):</p> <p>Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)</p>		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>None</p>				
<p>Additional relevant factors:</p>				
<p>Assessment conducted by:</p> <p>SAE/LMP</p>			<p>Assessment date(s):</p> <p>06-Jan-2005</p>	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 03E-20-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Surrounded by scattered flatwoods, hardwoods, and pasture. 300 yds S of mine. Surrounding habitat good for wildlife. Cogon grass and other nuisance/ruderal species prevalent in area. Land mgmt practices have reduced the structural complexity in area. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have significant adverse impacts on wildlife.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Primarily dry soil with some areas of moist soil. No zonation. Part of a system surrounded by a network of deep ditches which is affecting hydrology. Land use practices to the N are also affecting drainage into this system. Water levels and flow moderately higher/lower than appropriate considering natural variation.			
	w/o pres or current	with		
	4	0		
.500(7)(c) Community Structure	Dominated by Juncus. Lemna on surface in some areas. No evidence of regeneration/recruitment. Much lower/higher quantity of good structure habitat (see rule for details) Land Management Practices resulted in partial removal/alteration of natural structures, add some artificial features. Reduction in extent of topo features.			
	w/o pres or current	with		
	2	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.3333	0.0000

Delta = [with-current]:
-0.3333

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	5.0001335
FL= delta x acres =	-1.6667 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 03E-22-I	
FLUCCs Code: 641-6415		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 1.3580
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Surrounded by scattered flatwoods and hardwoods. Mine is >400 yds to N. Many wetlands surround AA. Connects to another wetland at SE corner.</p>					
<p>Assessment Area Description:</p> <p>Herbaceous wetland surrounded by scattered flatwoods and hardwoods dominated by Juncus. Connects to another wetland at SE corner.</p>					
<p>Significant Nearby Features:</p> <p>Within the historic headwaters to Troublesome Creek that has now been ditched and fragmented.</p>			<p>Uniqueness (considering the relative rarity in relation to the regional landscape.)</p> <p>None</p>		
<p>Functions:</p> <p>Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.</p>			<p>Mitigation for previous permit/other historic use:</p> <p>None</p>		
<p>Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)</p> <p>Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge</p>			<p>Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area):</p> <p>Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)</p>		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>Cattle, hog</p>					
<p>Additional relevant factors:</p>					
<p>Assessment conducted by:</p> <p>SAE/LMP</p>				<p>Assessment date(s):</p> <p>06-Jan-2005</p>	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 03E-22-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Surrounded by scattered flatwoods, hardwoods, and pasture. 300 yds S of mined area. Surrounding habitat good for wildlife. Cogon grass and other nuisance/ruderal species prevalent in area. Land mgmt practices have eliminated much o Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have significant adverse impacts on wildlife.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Primarily dry soil with some areas of wet soil. No zonation.Part of a system surrounded by a network of deep ditches which is affecting hydrology. Land use practices to the N are also affecting drainage into this system. Water levels and flow moderately higher/lower than appropriate considering natural variation. Direct observation of standing water indicates significant water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	2	0		
.500(7)(c) Community Structure	Dominated by Juncus No evidence of regeneration/recruitment. Much lower/higher quantity of good structure habitat (see rule for details) Land Management Practices resulted in partial removal/alteration of natural structures, add some artificial features. Reduction in extent of topo features.			
	w/o pres or current	with		
	2	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.2667 0.0000

Delta = [with-current]:
-0.2667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	1.3579906
FL= delta x acres =	-0.3621 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 03E-24-I	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 1.9876
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Connected to wetland in NW corner. Surrounded by flatwoods and hardwoods and cattle pasture on the East side.</p>				
<p>Assessment Area Description:</p> <p>Herbaceous wetland with large amounts of Juncus on perimeter and pontederia and thalia in deep center. Connects to another wetland at the NW corner.</p>				
<p>Significant Nearby Features:</p> <p>Within the historic headwaters to Troublesome Creek that has now been ditched and fragmented.</p>		<p>Uniqueness (considering the relative rarity in relation to the regional landscape.)</p> <p>None</p>		
<p>Functions:</p> <p>Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.</p>		<p>Mitigation for previous permit/other historic use:</p> <p>None</p>		
<p>Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)</p> <p>Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge</p>		<p>Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area):</p> <p>Sandhill crane nesting (SSC by FFWCC)</p>		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>Cattle, hog, fish</p>				
<p>Additional relevant factors:</p>				
<p>Assessment conducted by:</p> <p>SAE/LMP</p>			<p>Assessment date(s):</p> <p>06-Jan-2005</p>	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 03E-24-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Partially borders a pasture. Many wetlands in general vicinity. Cogon grass and other nuisance/ruderal species prevalent in area. Land mgmt practices have eliminated much of the structural complexity in area . Area Land Uses have significant adverse impacts on wildlife. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Cattle influence on E side of wetland. Fair zonation. Part of a system surrounded by a network of deep ditches which is affecting hydrology. Land use practices to the N are also affecting drainage into this system. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	6	0		
.500(7)(c) Community Structure	Deep center. Wetland grasses and Juncus around perimeter surrounding Pontederia and thalia. Majority of plant covers is desirable plant species in all strata . Much lower/higher quantity of good structure habitat (see rule for details) Reduction in extent of topo features.			
	w/o pres or current	with		
	6	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.5333	0.0000

Delta = [with-current]:
-0.5333

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	1.9875642
FL= delta x acres =	-1.0600 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 03E-26-I	
FLUCCs Code: 6415		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.2637
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Hydrologically isolated but deemed jurisdictional in the 2012 USACE Jurisdictional Verification. Surrounded by pasture.</p>					
<p>Assessment Area Description:</p> <p>This is a 0.26-acre marsh dominated by various wetland grasses.</p>					
Significant Nearby Features: None			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>Cows, hogs</p>					
Additional relevant factors:					
Assessment conducted by: LMP/SAE				Assessment date(s): 06-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 03E-26-I
Impact or Mitigation Impact	Assessment conducted by: LMP/SAE	Assessment Date: 06-Jan-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Surrounded by low intensity agriculture and/or pasture. Little native available outside AA. Cogon grass and other nuisance/ruderal species prevalent in area. Land mgmt practices have eliminated much of the structural complexity in area. Area Land Uses have severe adverse impacts on wildlife. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers.			
	w/o pres or current	with		
	3	0		
.500(7)(b) Water Environment (n/a for uplands)	Cattle influence. Part of a system surrounded by a network of deep ditches which is affecting hydrology. Land use practices to the N are also affecting drainage into this system. Vegetation or benthic community zonation in most strata inappropriate for TOS. Direct observation of standing water indicates significant water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	2	0		
.500(7)(c) Community Structure	Various wetland grasses. Little Juncus is present. Wetland surrounded by fennel scattered in pasture. Structural habitat not present. Land Management Practices resulted in partial removal/alteration of natural structures, add some artificial features. Lack topographic features.			
	w/o pres or current	with		
	2	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.2333 0.0000

Delta = [with-current]:
-0.2333

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.2637324
FL= delta x acres =	-0.0615 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 03E-32-I	
FLUCCs Code: 641-513		Further Classification: N/A		Impact or Mitigation Site?: Impact	Assessment Area Size (ac): 1.1393
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Connected to other wetlands from the North and the South. Surrounded by flatwoods and scattered hardwoods. About 350 yds South of mined area and 250-300 yds West of pasture.</p>					
<p>Assessment Area Description:</p> <p>Ditched wetland connecting two wetlands. The water is stagnant and Juncus dominates.</p>					
<p>Significant Nearby Features:</p> <p>Within the historic headwaters to Troublesome Creek that has now been ditched and fragmented.</p>			<p>Uniqueness (considering the relative rarity in relation to the regional landscape.)</p> <p>None</p>		
<p>Functions:</p> <p>Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.</p>			<p>Mitigation for previous permit/other historic use:</p> <p>None</p>		
<p>Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)</p> <p>Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge</p>			<p>Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area):</p> <p>Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)</p>		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>None</p>					
<p>Additional relevant factors:</p>					
<p>Assessment conducted by:</p> <p>SAE/LMP</p>				<p>Assessment date(s):</p> <p>06-Jan-2005</p>	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 03E-32-I
Impact or Mitigation Impact	Assessment conducted by: SAE/LMP	Assessment Date: 06-Jan-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Narrow buffer of native vegetation, but limited habitat outside the immediate vicinity. Cogon grass and other nuisance/ruderal species prevalent in area. Land mgmt practices have eliminated much of the structural complexity in area. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have significant adverse impacts on wildlife.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Heavy algal growth on water surface. Part of a system surrounded by a network of deep ditches which is affecting hydrology. Land use practices to the N are also affecting drainage into this system. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	4	0		
.500(7)(c) Community Structure	Dominated by Juncus. High degree of siltation/algal growth to impede submerged aquatic plant growth. Land Management Practices resulted in partial removal/alteration of natural structures, add some artificial features. Much lower/higher quantity of good structure habitat (see rule for details) Majority of plant covers is desirable plant species in all strata. Reduction in extent of topo features. Moderate degree of siltation/algal growth to impede submerged aquatic plant growth.			
	w/o pres or current	with		
	3	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.3667 0.0000

Delta = [with-current]:
-0.3667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	1.1393172
FL= delta x acres =	-0.4177 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 03E-38-I	
FLUCCs Code: 641-6415	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 1.6875
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by pasture and connected to an agricultural ditch that feeds Troublesome Creek.				
Assessment Area Description: Herbaceous wetland with Juncus dominating the outer zone and Pontaderia dominating inner zone in the standing water.				
Significant Nearby Features: Within a large agricultural field.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle				
Additional relevant factors:				
Assessment conducted by: SAE/LMP			Assessment date(s): 06-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 03E-38-I
Impact or Mitigation Impact	Assessment conducted by: SAE/LMP	Assessment Date: 06-Jan-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Surrounded by low intensity agriculture and/or pasture. Little native available outside AA. Cogon grass and other nuisance/ruderal species prevalent in area. Land mgmt practices have eliminated much of the structural complexity in area. Area Land Uses have severe adverse impacts on wildlife. Wildlife access to/from AA is substantially limited, by distance or barriers.			
	w/o pres or current	with		
	3	0		
.500(7)(b) Water Environment (n/a for uplands)	Cattle influence. Part of a system surrounded by a network of deep ditches which is affecting hydrology. Land use practices to the N are also affecting drainage into this system.			
	w/o pres or current	with		
	3	0		
.500(7)(c) Community Structure	Juncus surrounds the deep water center with Pontaderia. Appropriate vegetation was found- Juncus, Panicum, Pontaderia. Majority of plant covers is desirable plant species in all strata. Slightly lower/higher quantity of good structural habitat (see rule for details). Reduction in extent of topo features.			
	w/o pres or current	with		
	5	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.3667 0.0000

Delta = [with-current]:
-0.3667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	1.6875357
FL= delta x acres =	-0.6188 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 03E-44-I	
FLUCCs Code: 641-617-513	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 2.0854
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected to a chain of wetlands. Surrounded by flatwoods and pasture. Pasture 100-150 yards East.				
Assessment Area Description: Ditched forested wetland. Juncus surrounds trees in center, primarily oaks and palmettos. Ditch runs through this wetland. The ditch is stagnant and covered in duckweed.				
Significant Nearby Features: Within the historic headwaters to Troublesome Creek that has now been ditched and fragmented.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) None				
Additional relevant factors:				
Assessment conducted by: SAE/LMP			Assessment date(s): 07-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 03E-44-I
Impact or Mitigation Impact	Assessment conducted by: SAE/LMP	Assessment Date: 07-Jan-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Narrow buffer of native vegetation, but limited habitat outside the immediate vicinity. Little surrounding upland habitat available. Cogon grass and other nuisance/ruderal species prevalent in area. Area Land Uses have significant adverse impacts on wildlife. Wildlife access to/from AA is substantially limited, by distance or barriers. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Fair zonation. Cattle influence. Evidence of high nutrient levels. Part of a system surrounded by a network of deep ditches which is affecting hydrology. Land use practices to the N are also affecting drainage into this system. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	4	0		
.500(7)(c) Community Structure	Herbaceous wetland plants and hardwoods, flatwoods. Surface covered in duckweed. Primarily larger trees. 22: lower. Majority of plant covers is desirable plant species in all strata . Land Management Practices resulted in partial removal/alteration of natural structures, add some artificial features. Slightly lower/higher quantity of good structural habitat (see rule for details).			
	w/o pres or current	with		
	7	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.5000 0.0000

Delta = [with-current]:
-0.5000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	2.0854056
FL= delta x acres =	-1.0427 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 03E-46-I	
FLUCCs Code: 617-641		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 2.7229
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Connected to a chain of wetlands. Less than 50 yds West of pasture. Surrounded primarily by flatwoods/hardwoods. Many wetlands in the area.</p>					
<p>Assessment Area Description:</p> <p>Forested wetland. Soil damp along edges, stagnant standing water towards center.</p>					
<p>Significant Nearby Features:</p> <p>Within the historic headwaters to Troublesome Creek that has now been ditched and fragmented.</p>			<p>Uniqueness (considering the relative rarity in relation to the regional landscape.)</p> <p>None</p>		
<p>Functions:</p> <p>Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.</p>			<p>Mitigation for previous permit/other historic use:</p> <p>None</p>		
<p>Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)</p> <p>Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge</p>			<p>Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area):</p> <p>Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)</p>		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>Wading bird foraging, amphibian breeding, large mammal refuge</p>					
<p>Additional relevant factors:</p>					
<p>Assessment conducted by:</p> <p>SAE/LMP</p>				<p>Assessment date(s):</p> <p>07-Jan-2005</p>	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 03E-46-I
Impact or Mitigation Impact	Assessment conducted by: LMP/SAE	Assessment Date: 07-Jan-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Narrow buffer of native vegetation, but limited habitat outside the immediate vicinity. Little surrounding upland habitat available. Cogon grass and other nuisance/ruderal species prevalent in area. Area Land Uses have significant adverse impacts on wildlife. Wildlife access to/from AA is substantially limited, by distance or barriers. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Standing water. Part of a system surrounded by a network of deep ditches which is affecting hydrology. Land use practices to the N are also affecting drainage into this system. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
	w/o pres or current	with		
	6	0		
.500(7)(c) Community Structure	Algae covers surface in some areas. Many dead trees. Majority of plant covers is desirable plant species in all strata. Moderate degree of siltation/algal growth to impede submerged aquatic plant growth. Minimal cover by invasive/exotic plant species. Topo features slightly less optimal.			
	w/o pres or current	with		
	6	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.5333	0.0000

Delta = [with-current]:
-0.5333

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	2.7229362
FL= delta x acres =	-1.4522 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 03E-48-I	
FLUCCs Code: 641-617	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.8272
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected to a chain of wetlands. Surrounded by flatwoods and pasture. Pasture about 100-150 yards East.				
Assessment Area Description: Herbaceous wetland dominated by Juncus. Borders stagnant ditch.				
Significant Nearby Features: Within the historic headwaters to Troublesome Creek that has now been ditched and fragmented.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) None				
Additional relevant factors:				
Assessment conducted by: SAE/LMP			Assessment date(s): 07-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 03E-48-I
Impact or Mitigation Impact	Assessment conducted by: SAE/LMP	Assessment Date: 07-Jan-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Narrow buffer of native vegetation, but limited habitat outside the immediate vicinity. Little surrounding upland habitat available. Cogon grass and other nuisance/ruderal species prevalent in area. Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have significant adverse impacts on wildlife. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I.			
	w/o pres or current	with		
	4	0		

.500(7)(b) Water Environment (n/a for uplands)	No zonation. Cattle influence. Wet soil. Borders stagnant ditch. Part of a system surrounded by a network of deep ditches which is affecting hydrology. Land use practices to the N are also affecting drainage into this system.			
	w/o pres or current	with		
	5	0		

.500(7)(c) Community Structure	Dominated by Juncus. 13: lower. Majority of plant covers is by undesirable plant species (invasive/exotic) in all strata . Much lower/higher quantity of good structure habitat (see rule for details) Land Management Practices resulted in partial removal/alteration of natural structures, add some artificial features. Reduction in extent of topo features. Moderate degree of siltation/algal growth to impede submerged aquatic plant growth.			
	w/o pres or current	with		
	3	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.4000	0.0000

Delta = [with-current]:
-0.4000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.8272298
FL= delta x acres =	-0.3309 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 03E-56-I	
FLUCCs Code: 641-513-6415-617	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.6445
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Part of a chain of wetlands. Many wetlands in the area. Flatwoods to the West and pasture to the East.				
Assessment Area Description: Ditch runs through the center of the wetland. Surrounded by Juncus. The ditch is bordered by oaks and palmettos.				
Significant Nearby Features: Within the historic headwaters to Troublesome Creek that has now been ditched and fragmented.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) None				
Additional relevant factors:				
Assessment conducted by: SAE/LMP			Assessment date(s): 07-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 03E-56-I
Impact or Mitigation Impact	Assessment conducted by: SAE/LMP	Assessment Date: 07-Jan-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Narrow buffer of native vegetation, but limited habitat outside the immediate vicinity. Little surrounding upland habitat available. Cogon grass and other nuisance/ruderal species prevalent in area. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Area Land Uses have significant adverse impacts on wildlife.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	No zonation. Cattle influence. The surface of the ditch is covered in duckweed. Part of a system surrounded by a network of deep ditches which is affecting hydrology. Land use practices to the N are also affecting drainage into this system. Vegetation or benthic community zonation in most strata inappropriate for TOS. Vegetation shows strong signs of hydrologic stress.			
	w/o pres or current	with		
	3	0		
.500(7)(c) Community Structure	Predominantly Juncus. Lots of fennel intermixed within the Juncus. Majority of plant covers is by undesirable plant species (invasive/exotic) in all strata. Land Management Practices resulted in partial removal/alteration of natural structures, add some artificial features. Much lower/higher quantity of good structure habitat (see rule for details) Reduction in extent of topo features. Moderate degree of siltation/algal growth to impede submerged aquatic plant growth.			
	w/o pres or current	with		
	4	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.3667 0.0000

Delta = [with-current]:
-0.3667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.6445237
FL= delta x acres =	-0.2363 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 03E-58A-I	
FLUCCs Code: 641-617-6415-513		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 16.2641
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Surrounded by cattle pasture. Scattered hardwoods surrounding wetland. Connected to another wetland to the North. Many wetlands throughout the area.</p>					
<p>Assessment Area Description:</p> <p>Herbaceous wetland with scattered hardwoods/flatwoods - oaks, palms, palmettos and lots of Smilax. Soil is dry in some areas.</p>					
<p>Significant Nearby Features:</p> <p>Within the historic headwaters to Troublesome Creek that has now been ditched and fragmented.</p>			<p>Uniqueness (considering the relative rarity in relation to the regional landscape.)</p> <p>None</p>		
<p>Functions:</p> <p>Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.</p>			<p>Mitigation for previous permit/other historic use:</p> <p>None</p>		
<p>Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)</p> <p>Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge</p>			<p>Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area):</p> <p>Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)</p>		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>Sandhill crane</p>					
<p>Additional relevant factors:</p>					
<p>Assessment conducted by:</p> <p>SAE/LMP</p>				<p>Assessment date(s):</p> <p>07-Jan-2005</p>	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 03E-58A-I
Impact or Mitigation Impact	Assessment conducted by: SAE/LMP	Assessment Date: 07-Jan-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Narrow buffer of native vegetation, but limited habitat outside the immediate vicinity. Little surrounding upland habitat available. Cogen grass and other nuisance/ruderal species prevalent in area. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have significant adverse impacts on wildlife.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Heavy cattle influence. Little zonation. Part of a system surrounded by a network of deep ditches which is affecting hydrology. Land use practices to the N are also affecting drainage into this system. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	6	0		
.500(7)(c) Community Structure	Juncus and other wetland grasses mixed with scattered hardwoods/flatwoods. Primarily larger trees. Minimal evidence of regeneration/recruitment. Majority of plant covers is desirable plant species in all strata. Age/size distribution atypical, show permanent deviations. Land Management Practices resulted in partial removal/alteration of natural structures, add some artificial features. Reduction in extent of topo features. Slightly lower/higher quantity of good structural habitat (see rule for details). Topo features slightly less optimal.			
	w/o pres or current	with		
	6	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.5333	0.0000

Delta = [with-current]:
-0.5333

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	16.264133
FL= delta x acres =	-8.6742 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 03E-58C-I	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.5114
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded primarily by pasture. Connected to a larger wetland.				
Assessment Area Description: Small herbaceous wetland dominated by Juncus.				
Significant Nearby Features: Within the historic headwaters to Troublesome Creek that has now been ditched and fragmented.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Sandhill crane, hawk, cattle				
Additional relevant factors:				
Assessment conducted by: SAE/LMP			Assessment date(s): 07-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 03E-58C-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Connected to larger wetland. Narrow buffer of native veg, but limited. Little surrounding upland habitat available. Cogon grass and other nuisance/ruderal species prevalent in area. Land mgmt practices have eliminated structural complexity in area. Area Land Uses have significant adverse impacts on wildlife. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Ground is wet but there is no standing water. No zonation. Cattle influence. Part of a system surrounded by a network of deep ditches which is affecting hydrology. Land use practices to the N are also affecting drainage into this system. Water levels and flow moderately higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	4	0		
.500(7)(c) Community Structure	Dominated by Juncus. Large dead tree in the center. Wetland grasses. 13: lower Majority of plant covers is by undesirable plant species (invasive/exotic) in all strata. Minimal evidence of regeneration/recruitment. Reduction in extent of topo features. Much lower/higher quantity of good structure habitat (see rule for details)			
	w/o pres or current	with		
	3	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.3667	0.0000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

For impact assessment areas	
Area Size (ac) =	0.5114148
FL= delta x acres =	-0.1875 *

Delta = [with-current]:
-0.3667

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 03E-58D-I	
FLUCCs Code: 641-513		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 1.8251
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by cattle pasture. Connects to a larger wetland.					
Assessment Area Description: Ditched wetland with stagnant water with duckweed covering the majority of the water's surface. Juncus growing on the banks.					
Significant Nearby Features: Within the historic headwaters to Troublesome Creek that has now been ditched and fragmented.			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle, hog					
Additional relevant factors:					
Assessment conducted by: LMP/SAE				Assessment date(s): 07-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 03E-58D-I
Impact or Mitigation Impact	Assessment conducted by: LMP/SAE	Assessment Date: 07-Jan-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Connected to other wetlands. Narrow buffer of native veg, but limited. Little surrounding upland habitat available. Cogon grass and other nuisance/ruderal species in area. Land mgmt practices have eliminated much of the structural complexity in area. Area Land Uses have significant adverse impacts on wildlife. Wildlife access to/from AA is substantially limited, by distance or barriers. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Oil sheen on surface. Cattle influence. Part of a system surrounded by a network of deep ditches which is affecting hydrology. Land use practices to the N are also affecting drainage into this system. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	4	0		
.500(7)(c) Community Structure	Significant duckweed growth. High degree of siltation/algal growth to impede submerged aquatic plant growth. Majority of plant covers is by undesirable plant species (invasive/exotic) in all strata. Much lower/higher quantity of good structure habitat (see rule for details) Land Management Practices resulted in partial removal/alteration of natural structures, add some artificial features. Lack topographic features.			
	w/o pres or current	with		
	3	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.3667 0.0000

Delta = [with-current]:
-0.3667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	1.8251451
FL= delta x acres =	-0.6692 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 03E-58E-I	
FLUCCs Code: 641-513	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 1.6236
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by cattle pasture with scattered hardwoods to the South. Connected to a larger wetland.				
Assessment Area Description: Herbaceous wetland with scattered hardwoods/flatwoods- oaks, palms, pаметtos. Dry soil in some areas.				
Significant Nearby Features: Within the historic headwaters to Troublesome Creek that has now been ditched and fragmented.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) None				
Additional relevant factors:				
Assessment conducted by: LMP/SAE			Assessment date(s): 07-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 03E-58E-I
Impact or Mitigation Impact	Assessment conducted by: LMP/SAE	Assessment Date: 07-Jan-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Narrow buffer of native vegetation, but limited outside the vicinity. Little upland habitat available. Cogon grass and other nuisance/ruderal species prevalent in area. Land mgmt practices have eliminated much of the structural complexity in area . Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have significant adverse impacts on wildlife.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Dry soil in some areas. Little zonation. Heavy cattle influence. Part of a system surrounded by a network of deep ditches which is affecting hydrology. Land use practices to the N are also affecting drainage into this system. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	6	0		
.500(7)(c) Community Structure	Juncus and other wetland grasses mixed with scattered hardwoods/flatwoods. Majority of plant covers is desirable plant species in all strata . Minimal evidence of regeneration/recruitment. Age/size distribution atypical, show permanent deviations. Land Management Practices resulted in partial removal/alteration of natural structures, add some artificial features. Reduction in extent of topo features. Slightly lower/higher quantity of good structural habitat (see rule for details). Topo features slightly less optimal.			
	w/o pres or current	with		
	6	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.5333	0.0000

Delta = [with-current]:
-0.5333

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	1.6236088
FL= delta x acres =	-0.8659 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 03E-60-I	
FLUCCs Code: 641		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.5253
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by pasture. Borders a ditch on the East. Small patch of hardwoods 25 yards to the West.					
Assessment Area Description: Herbaceous wetland dominated by Juncus.					
Significant Nearby Features: Within the historic headwaters to Troublesome Creek that has now been ditched and fragmented.			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle, hog, armadillo, sandhill crane					
Additional relevant factors:					
Assessment conducted by: LMP/SAE				Assessment date(s): 07-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 03E-60-I
Impact or Mitigation Impact	Assessment conducted by: LMP/SAE	Assessment Date: 07-Jan-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Narrow buffer of native vegetation, but limited habitat outside the immediate vicinity. Little surrounding upland habitat available. Cogon grass and other nuisance/ruderal species prevalent in area. Area Land Uses have significant adverse impacts on wildlife. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is partially limited by distance or barriers.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Heavy cattle influence. Ditch runs along the side of the wetland. Part of a system surrounded by a network of deep ditches which is affecting hydrology. Land use practices to the N are also affecting drainage into this system.			
	w/o pres or current	with		
	3	0		
.500(7)(c) Community Structure	Dominated by Juncus. There is some Pontaderia. Majority of plant covers is desirable plant species in all strata. Much lower/higher quantity of good structure habitat (see rule for details) Land Management Practices resulted in partial removal/alteration of natural structures, add some artificial features. Reduction in extent of topo features.			
	w/o pres or current	with		
	4	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.3667 0.0000

Delta = [with-current]:
-0.3667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.5253220
FL= delta x acres =	-0.1926 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 03E-62-I	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.3664
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded predominantly by pasture. Hardwoods 25 yards to the East. Ditch runs along the West side.				
Assessment Area Description: Herbaceous wetland dominated by Juncus.				
Significant Nearby Features: Within the historic headwaters to Troublesome Creek that has now been ditched and fragmented.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle				
Additional relevant factors:				
Assessment conducted by: LMP/SAE			Assessment date(s): 07-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 03E-62-I
Impact or Mitigation Impact	Assessment conducted by: LMP/SAE	Assessment Date: 07-Jan-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Narrow buffer of native vegetation, but limited habitat outside the immediate vicinity. Little surrounding upland habitat available. Cogon grass and other nuisance/ruderal species prevalent in area. Area Land Uses have significant adverse impacts on wildlife. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Ditch along W side of the wetland. Heavy cattle influence. Part of a system surrounded by a network of deep ditches which is affecting hydrology. Land use practices to the N are also affecting drainage into this system.			
	w/o pres or current	with		
	3	0		
.500(7)(c) Community Structure	Dominated by Juncus. Some Ponaderia present. 13: lower Majority of plant covers is desirable plant species in all strata. Much lower/higher quantity of good structure habitat (see rule for details) Land Management Practices resulted in partial removal/alteration of natural structures, add some artificial features. Reduction in extent of topo features.			
	w/o pres or current	with		
	4	0		

Score = sum of above scores/30 (if uplands, divide by 20)		
0.3667		0.0000

Delta = [with-current]:
-0.3667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.3663687
FL= delta x acres =	-0.1343 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 03E-64-I	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.4382
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by cattle pasture. Connected to another small wetland. Hardwoods 50 yards North.				
Assessment Area Description: Herbaceous wetland dominated by Juncus. Ditch runs through in SW corner.				
Significant Nearby Features: Within the historic headwaters to Troublesome Creek that has now been ditched and fragmented.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle, hog, deer				
Additional relevant factors:				
Assessment conducted by: SAE/LMP			Assessment date(s): 07-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 03E-64-I
Impact or Mitigation Impact	Assessment conducted by: SAE/LMP	Assessment Date: 07-Jan-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Narrow buffer of native vegetation, but limited habitat outside the immediate vicinity. Little surrounding upland habitat available. Cogen grass and other nuisance/ruderal species prevalent in area. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have significant adverse impacts on wildlife.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Connected to a cattle pond with heavy cattle influence. Part of a system surrounded by a network of deep ditches which is affecting hydrology. Land use practices to the N are also affecting drainage into this system.			
	w/o pres or current	with		
	4	0		
.500(7)(c) Community Structure	Dominated by Juncus. Some wetland grasses. 13: lower Majority of plant covers is desirable plant species in all strata. Much lower/higher quantity of good structure habitat (see rule for details) Land Management Practices resulted in partial removal/alteration of natural structures, add some artificial features. Reduction in extent of topo features.			
	w/o pres or current	with		
	4	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.4000 0.0000

Delta = [with-current]:
-0.4000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.4382183
FL= delta x acres =	-0.1753 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 03E-66-I	
FLUCCs Code: 641		Further Classification: N/A		Impact or Mitigation Site?: Impact	Assessment Area Size (ac): 0.0323
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Surrounded by cattle pasture. Connected to another small wetland to the North. Many wetlands nearby.</p>					
<p>Assessment Area Description:</p> <p>Cattle pond dominated by Pontederia. Heavy cattle influence.</p>					
<p>Significant Nearby Features:</p> <p>Within the historic headwaters to Troublesome Creek that has now been ditched and fragmented.</p>			<p>Uniqueness (considering the relative rarity in relation to the regional landscape.)</p> <p>None</p>		
<p>Functions:</p> <p>Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.</p>			<p>Mitigation for previous permit/other historic use:</p> <p>None</p>		
<p>Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)</p> <p>Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge</p>			<p>Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area):</p> <p>Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)</p>		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>Fish, cattle, hog, small birds, sandhill crane</p>					
<p>Additional relevant factors:</p>					
<p>Assessment conducted by:</p> <p>LMP/SAE</p>				<p>Assessment date(s):</p> <p>07-Jan-2005</p>	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 03E-66-I
Impact or Mitigation Impact	Assessment conducted by: LMP/SAE	Assessment Date: 07-Jan-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Narrow buffer of native vegetation, but limited habitat outside the immediate vicinity. Little surrounding upland habitat available. Cogon grass and other nuisance/ruderal species prevalent in area. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Area Land Uses have significant adverse impacts on wildlife.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Heavy cattle influence. Extremely dirty water. Part of a system surrounded by a network of deep ditches which is affecting hydrology. Land use practices also affect drainage into this system. Direct observation of standing water indicates significant water quality degradation such as discoloration, turbidity, or oil sheen. Much of the plant community composition is characterized by species tolerant of and associated with moderate water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
	w/o pres or current	with		
	2	0		
.500(7)(c) Community Structure	Dominated by Pontaderia. 13: lower No evidence of regeneration/recruitment. Much lower/higher quantity of good structure habitat (see rule for details) Majority of plant covers is by undesirable plant species (invasive/exotic) in all strata. Reduction in extent of top features.			
	w/o pres or current	with		
	2	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.2667	0.0000

Delta = [with-current]:
-0.2667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.0322853
FL= delta x acres =	-0.0086 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 03E-72-I	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.1082
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by cattle pasture. Many wetland throughout the area. Hydrologically isolated but deemed jurisdictional in the 2012 USACE Jurisdictional Verification.				
Assessment Area Description: Small herbaceous wetland. Heavy cattle influence. Dominated by Juncus, some wetland plants. Dry soil at time of assessment.				
Significant Nearby Features: Within the historic headwaters to Troublesome Creek that has now been ditched and fragmented.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) None				
Additional relevant factors:				
Assessment conducted by: LMP/SAE			Assessment date(s): 07-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 03E-72-I
Impact or Mitigation Impact	Assessment conducted by: LMP/SAE	Assessment Date: 07-Jan-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Cogon grass and other nuisance/ruderal species prevalent in area. Land mgmt practices have eliminated much of the structural complexity in area . Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have significant adverse impacts on wildlife. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Heavy cattle influence. Part of a system surrounded by a network of deep ditches which is affecting hydrology. Land use practices to the N are also affecting drainage into this system.			
	w/o pres or current	with		
	4	0		
.500(7)(c) Community Structure	Dominated by Juncus. Few wetland plants. Majority of plant covers is desirable plant species in all strata . Much lower/higher quantity of good structure habitat (see rule for details) Lack topographic features.			
	w/o pres or current	with		
	4	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.4000 0.0000

Delta = [with-current]:
-0.4000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.1081731
FL= delta x acres =	-0.0433 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 03E-74A-I	
FLUCCs Code: 641-617-513		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 4.4815
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by pasture (50%) and by hardwoods (50%). Connected to other wetlands.					
Assessment Area Description: Dominated by Juncus with scattered hardwoods throughout. Ditch runs through SW corner.					
Significant Nearby Features: Within the historic headwaters to Troublesome Creek that has now been ditched and fragmented.			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cow, hog, fish					
Additional relevant factors:					
Assessment conducted by: LMP/SAE				Assessment date(s): 07-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 03E-74A-I
Impact or Mitigation Impact	Assessment conducted by: LMP/SAE	Assessment Date: 07-Jan-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Cogon grass and other nuisance/ruderal species prevalent in area. Land mgmt practices have eliminated much of the structural complexity in area . Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have significant adverse impacts on wildlife.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Heavy cattle influence. Primarily dry (except for ditch). Part of a system surrounded by a network of deep ditches which is affecting hydrology. Land use practices to the N are also affecting drainage into this system. Water levels and flow moderately higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	4	0		
.500(7)(c) Community Structure	Dominated by Juncus. Scattered hardwoods Reduction in extent of topo features. Majority of plant covers is desirable plant species in all strata . Much lower/higher quantity of good structure habitat (see rule for details) Land Management Practices resulted in partial removal/alteration of natural structures, add some artificial features.			
	w/o pres or current	with		
	4	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.4000 0.0000

Delta = [with-current]:
-0.4000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	4.4815141
FL= delta x acres =	-1.7926 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 03E-74B-I	
FLUCCs Code: 641-513		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.1039
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Small area attached to a larger wetland. Surrounded by pasture. Another wetland is 25 yards West and hardwoods are 100 yards North.</p>					
<p>Assessment Area Description:</p> <p>Ditched wetland dominated by Pontederia, scattered Juncus. Juncus is on East and West sides of the ditch.</p>					
<p>Significant Nearby Features:</p> <p>Within the historic headwaters to Troublesome Creek that has now been ditched and fragmented.</p>			<p>Uniqueness (considering the relative rarity in relation to the regional landscape.)</p> <p>None</p>		
<p>Functions:</p> <p>Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.</p>			<p>Mitigation for previous permit/other historic use:</p> <p>None</p>		
<p>Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)</p> <p>Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge</p>			<p>Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area):</p> <p>Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)</p>		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>None</p>					
<p>Additional relevant factors:</p>					
<p>Assessment conducted by:</p> <p>SAE/LMP</p>				<p>Assessment date(s):</p> <p>07-Jan-2005</p>	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 03E-74B-I
Impact or Mitigation Impact	Assessment conducted by: SAE/LMP	Assessment Date: 07-Jan-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Narrow buffer of native vegetation, but limited habitat outside the immediate vicinity. Little surrounding upland habitat available. Cogon grass and other nuisance/ruderal species prevalent in area. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have significant adverse impacts on wildlife.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Heavy cattle influence. Oil sheen on water surface. Part of a system that is surrounded by a network of deep ditches which is affecting hydrology. Land use practices to the N are also affecting drainage into this system. Water levels and flow moderately higher/lower than appropriate considering natural variation. Direct observation of standing water indicates significant water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	2	0		
.500(7)(c) Community Structure	Pontaderia found throughout the standing water. Juncus and a few palmettos and hardwoods along the edges. Majority of plant covers is desirable plant species in all strata. Much lower/higher quantity of good structure habitat (see rule for details) Land Management Practices resulted in partial removal/alteration of natural structures, add some artificial features. Reduction in extent of topo features. Topo features slightly less optimal.			
	w/o pres or current	with		
	5	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.3667	0.0000

Delta = [with-current]:
-0.3667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.1039271
FL= delta x acres =	-0.0381 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 03E-74D-I	
FLUCCs Code: 6415-641-617-513	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 1.2817
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by cattle pasture (50%) and hardwoods (50%). Connected to other wetlands. Many wetlands in the area.				
Assessment Area Description: Ditched wetland dominated by Juncus. Scattered hardwoods throughout. Ditch runs through West side of wetland.				
Significant Nearby Features: Within the historic headwaters to Troublesome Creek that has now been ditched and fragmented.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cow, hog, fish				
Additional relevant factors:				
Assessment conducted by: LMP/SAE			Assessment date(s): 07-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 03E-74D-I
Impact or Mitigation Impact	Assessment conducted by: LMP/SAE	Assessment Date: 07-Jan-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Narrow buffer of native vegetation, but limited habitat outside the immediate vicinity. Little surrounding upland habitat available. Cogon grass and other nuisance/ruderal species prevalent in area. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have significant adverse impacts on wildlife.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Ditch runs through W side of wetland. Heavy cattle influence. Part of a system surrounded by a network of deep ditches which is affecting hydrology. Land use practices to the N are also affecting drainage into this system.			
	w/o pres or current	with		
	4	0		
.500(7)(c) Community Structure	Dominated by Juncus. Scattered hardwoods. Land Management Practices resulted in partial removal/alteration of natural structures, add some artificial features. Much lower/higher quantity of good structure habitat (see rule for details) Reduction in extent of top features.			
	w/o pres or current	with		
	4	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.4000 0.0000

Delta = [with-current]:
-0.4000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	1.2816976
FL= delta x acres =	-0.5127 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 03E-74E-I	
FLUCCs Code: 617-6415		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.9694
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Surrounded by hardwoods. Cattle pasture surrounds hardwood area (about 100 yds from wetland). Connected to another wetland. Numerous wetlands in the area.</p>					
<p>Assessment Area Description:</p> <p>Forested wetland dominated by Juncus. Some scattered hardwoods.</p>					
<p>Significant Nearby Features:</p> <p>Within the historic headwaters to Troublesome Creek that has now been ditched and fragmented.</p>			<p>Uniqueness (considering the relative rarity in relation to the regional landscape.)</p> <p>None</p>		
<p>Functions:</p> <p>Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.</p>			<p>Mitigation for previous permit/other historic use:</p> <p>None</p>		
<p>Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)</p> <p>Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge</p>			<p>Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area):</p> <p>Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)</p>		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>Cow, hog, fish</p>					
<p>Additional relevant factors:</p>					
<p>Assessment conducted by:</p> <p>LMP/SAE</p>				<p>Assessment date(s):</p> <p>07-Jan-2005</p>	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 03E-74E-I
Impact or Mitigation Impact	Assessment conducted by: LMP/SAE	Assessment Date: 07-Jan-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Narrow buffer of native vegetation, but limited habitat outside the immediate vicinity. Little surrounding upland habitat available. Cogon grass and other nuisance/ruderal species prevalent in area. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have significant adverse impacts on wildlife.			
	w/o pres or current	with		
	3	0		
.500(7)(b) Water Environment (n/a for uplands)	Heavy cattle influence. Part of a system surrounded by deep ditches which affect hydrology. Land use practices affect drainage. Land use practices are affecting drainage into this system.			
	w/o pres or current	with		
	2	0		
.500(7)(c) Community Structure	Dominated by Juncus. Majority of plant covers is desirable plant species in all strata. Much lower/higher quantity of good structure habitat (see rule for details) Reduction in extent of topo features.			
	w/o pres or current	with		
	4	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.3000 0.0000

Delta = [with-current]:
-0.3000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.9693966
FL= delta x acres =	-0.2908 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 03E-84-I	
FLUCCs Code: 641-6415		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.7034
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Surrounded by cattle pasture. Scattered hardwoods 50 yards West. Many wetlands throughout the area. Hydrologically isolated but deemed jurisdictional in the 2012 USACE Jurisdictional Verification.</p>					
<p>Assessment Area Description:</p> <p>Herbaceous wetland with heavy cattle influence, dominated by Juncus. Few wetland plants and dry at time of assessment.</p>					
<p>Significant Nearby Features:</p> <p>Within the historic headwaters to Troublesome Creek that has now been ditched and fragmented.</p>			<p>Uniqueness (considering the relative rarity in relation to the regional landscape.)</p> <p>None</p>		
<p>Functions:</p> <p>Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.</p>			<p>Mitigation for previous permit/other historic use:</p> <p>None</p>		
<p>Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)</p> <p>Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge</p>			<p>Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area):</p> <p>Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)</p>		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>Cattle, hog</p>					
<p>Additional relevant factors:</p>					
<p>Assessment conducted by:</p> <p>LMP/SAE</p>				<p>Assessment date(s):</p> <p>07-Jan-2005</p>	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 03E-84-I
Impact or Mitigation Impact	Assessment conducted by: LMP/SAE	Assessment Date: 07-Jan-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Cogon grass and other nuisance/ruderal species prevalent in area. Land mgmt practices have eliminated much of the structural complexity in area . Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have significant adverse impacts on wildlife. Area Land Uses have severe adverse impacts on wildlife.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Heavy cattle influence. Part of a system surrounded by a network of deep ditches which is affecting hydrology. Land use practices to the N are also affecting drainage into this system.			
	w/o pres or current	with		
	4	0		
.500(7)(c) Community Structure	Dominated by Juncus. Few wetland plants. Majority of plant covers is desirable plant species in all strata . Much lower/higher quantity of good structure habitat (see rule for details) Lack topographic features.			
	w/o pres or current	with		
	4	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.4000 0.0000

Delta = [with-current]:
-0.4000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.7034217
FL= delta x acres =	-0.2814 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 03E-88-I	
FLUCCs Code: 641-6415-513		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 7.5435
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by cattle pasture. Agriculture less than 100 yards East.					
Assessment Area Description: Herbaceous wetland, primarily Juncus. Soil is dry at time of influence.					
Significant Nearby Features: Within a large agricultural field.			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle					
Additional relevant factors:					
Assessment conducted by: SAE/LMP				Assessment date(s): 06-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 03E-88-I
Impact or Mitigation Impact	Assessment conducted by: SAE/LMP	Assessment Date: 06-Jan-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Ag land less than 100 yards E. Surrounded by pasture. Little native available outside AA. Cogon grass and other nuisance/ruderal species prevalent in area. Land mgmt practices have eliminated much of the structural complexity in area. No habitats outside AA provide support for wildlife in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have significant adverse impacts on wildlife.			
	w/o pres or current	with		
	3	0		
.500(7)(b) Water Environment (n/a for uplands)	Cattle influence. Soil is primarily dry, moist in some areas. No zonation. Part of a system surrounded by a network of deep ditches which is affecting hydrology. Land use practices to the N are also affecting drainage into this system.			
	w/o pres or current	with		
	2	0		
.500(7)(c) Community Structure	Primarily Juncus. Wetland grasses towards center. Lack topographic features. Much lower/higher quantity of good structure habitat (see rule for details) Land Management Practices resulted in partial removal/alteration of natural structures, add some artificial features. Lack topographic features.			
	w/o pres or current	with		
	2	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.2333	0.0000

Delta = [with-current]:
-0.2333

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	7.5435076
FL= delta x acres =	-1.7602 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

** FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.*

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 03E-90A-I	
FLUCCs Code: 641-643		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 4.0445
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by cattle pasture and small patch of hardwoods to the North. Connected to other wetlands to the South.					
Assessment Area Description: Herbaceous wetland with standing water. Juncus surrounds inner area of wetland plants.					
Significant Nearby Features: Within the historic headwaters to Troublesome Creek that has now been ditched and fragmented.			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Deer					
Additional relevant factors:					
Assessment conducted by: SAE/LMP				Assessment date(s): 07-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 03E-90A-I
Impact or Mitigation Impact	Assessment conducted by: SAE/LMP	Assessment Date: 07-Jan-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Cogon grass and other nuisance/ruderal species prevalent in area. Land mgmt practices have eliminated much of the structural complexity in area . Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have significant adverse impacts on wildlife.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Fair zonation. Standing water- no evidence of degradation. Cattle influence. Part of a system surrounded by a network of deep ditches which is affecting hydrology. Land use practices to the N are also affecting drainage into this system. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	6	0		
.500(7)(c) Community Structure	Primarily variety of wetland grasses. Pines surround the wetland. Majority of plant covers is desirable plant species in all strata . Much lower/higher quantity of good structure habitat (see rule for details) Reduction in extent of topo features.			
	w/o pres or current	with		
	5	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.5000 0.0000

Delta = [with-current]:
-0.5000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	4.0445250
FL= delta x acres =	-2.0223 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 03E-90B-I	
FLUCCs Code: 641-643-6415		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 4.8692
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Surrounded by cattle pasture and scattered hardwoods. Connected to other wetlands to the North, South and East.</p>					
<p>Assessment Area Description:</p> <p>Herbaceous wetland with standing water. Juncus surrounds an inner area of wetland plants.</p>					
<p>Significant Nearby Features:</p> <p>Within the historic headwaters to Troublesome Creek that has now been ditched and fragmented.</p>			<p>Uniqueness (considering the relative rarity in relation to the regional landscape.)</p> <p>None</p>		
<p>Functions:</p> <p>Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.</p>			<p>Mitigation for previous permit/other historic use:</p> <p>None</p>		
<p>Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)</p> <p>Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge</p>			<p>Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area):</p> <p>Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)</p>		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>Deer</p>					
<p>Additional relevant factors:</p>					
<p>Assessment conducted by:</p> <p>SAE/LMP</p>				<p>Assessment date(s):</p> <p>07-Jan-2005</p>	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 03E-90B-I
Impact or Mitigation Impact	Assessment conducted by: LMP/SAE	Assessment Date: 07-Jan-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10) Condition is optimal and fully supports wetland/surface water functions	Moderate (7) Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal (4) Minimal level of support of wetland/surface water functions	Not Present (0) Condition is insufficient to provide wetland/surface water functions
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.500(7)(a) Location and Landscape Support	Cogon grass and other nuisance/ruderal species prevalent in area. Land mgmt practices have eliminated much of the structural complexity in area . Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have significant adverse impacts on wildlife.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Part of a system surrounded by a network of deep ditches which is affecting hydrology. Land use practices to the N are also affecting drainage into this system. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	6	0		
.500(7)(c) Community Structure	Wetland grasses with pines surrounding the wetland. Majority of plant covers is desirable plant species in all strata . Much lower/higher quantity of good structure habitat (see rule for details) Reduction in extent of topo features.			
	w/o pres or current	with		
	5	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.5000 0.0000

Delta = [with-current]:
-0.5000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	4.8692318
FL= delta x acres =	-2.4346 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 03E-92-I	
FLUCCs Code: 641-6415	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 3.5365
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Surrounded by cattle pasture. Some scattered hardwoods to the West and South. Connected to a larger wetland. Many wetlands in the surrounding area.</p>				
<p>Assessment Area Description:</p> <p>Herbaceous wetland dominated by Juncus</p>				
<p>Significant Nearby Features:</p> <p>Within the historic headwaters to Troublesome Creek that has now been ditched and fragmented.</p>		<p>Uniqueness (considering the relative rarity in relation to the regional landscape.)</p> <p>None</p>		
<p>Functions:</p> <p>Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.</p>		<p>Mitigation for previous permit/other historic use:</p> <p>None</p>		
<p>Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)</p> <p>Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge</p>		<p>Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area):</p> <p>Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)</p>		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>Cattle, hog</p>				
<p>Additional relevant factors:</p>				
<p>Assessment conducted by:</p> <p>LMP/SAE</p>			<p>Assessment date(s):</p> <p>07-Jan-2005</p>	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 03E-92-I
Impact or Mitigation Impact	Assessment conducted by: LMP/SAE	Assessment Date: 07-Jan-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Surrounded by low intensity agriculture and/or pasture. Little native available outside AA. Cogon grass and other nuisance/ruderal species prevalent in area. Land mgmt practices have eliminated much of the structural complexity in area. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have significant adverse impacts on wildlife.			
	w/o pres or current	with		
	3	0		
.500(7)(b) Water Environment (n/a for uplands)	Heavy cattle influence. Connects with other wetlands. Part of a system surrounded by a network of deep ditches which is affecting hydrology. Land use practices to the N are also affecting drainage into this system.			
	w/o pres or current	with		
	4	0		
.500(7)(c) Community Structure	Dominated by Juncus. Few wetland plants. Majority of plant covers is desirable plant species in all strata. Much lower/higher quantity of good structure habitat (see rule for details) Lack topographic features.			
	w/o pres or current	with		
	4	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.3667 0.0000

Delta = [with-current]:
-0.3667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	3.5364619
FL= delta x acres =	-1.2967 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 03E-94A-I	
FLUCCs Code: 41-6417-630-6415-617-513-64		Further Classification: N/A		Impact or Mitigation Site?: Impact	Assessment Area Size (ac): 28.5041
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Primarily surrounded by cattle pasture. Scattered hardwoods to the East. Northern section of a larger wetland.					
Assessment Area Description: Herbaceous wetland dominated by Juncus. Ditch runs through West side.					
Significant Nearby Features: Within the historic headwaters to Troublesome Creek that has now been ditched and fragmented.			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) None					
Additional relevant factors:					
Assessment conducted by: SAE/LMP				Assessment date(s): 07-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 03E-94A-I
Impact or Mitigation Impact	Assessment conducted by: SAE/LMP	Assessment Date: 07-Jan-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Cogon grass and other nuisance/ruderal species prevalent in area. Land mgmt practices have eliminated much of the structural complexity in area . Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have significant adverse impacts on wildlife.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Standing water, no zonation, cattle influence. Part of a system surrounded by a network of deep ditches which is affecting hydrology. Land use practices to the N are also affecting drainage into this system.			
	w/o pres or current	with		
	4	0		
.500(7)(c) Community Structure	Wetland is dominated by Juncus. Other primary plants are Pontaderia and Iris. Majority of plant covers is desirable plant species in all strata . Much lower/higher quantity of good structure habitat (see rule for details) Reduction in extent of topo features.			
	w/o pres or current	with		
	4	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.4000 0.0000

Delta = [with-current]:
-0.4000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	28.504074
FL= delta x acres =	-11.4016 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 03E-94E-I	
FLUCCs Code: 641-6417-630-617		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 3.5017
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Surrounded by hardwoods with cattle pasture nearby (25-100 yards in all directions). Eastern portion of a larger wetland.</p>					
<p>Assessment Area Description:</p> <p>Herbaceous wetland surrounded by hardwoods and cattle pasture.</p>					
<p>Significant Nearby Features:</p> <p>Within the historic headwaters to Troublesome Creek that has now been ditched and fragmented.</p>			<p>Uniqueness (considering the relative rarity in relation to the regional landscape.)</p> <p>None</p>		
<p>Functions:</p> <p>Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.</p>			<p>Mitigation for previous permit/other historic use:</p> <p>None</p>		
<p>Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)</p> <p>Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge</p>			<p>Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area):</p> <p>Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)</p>		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>Red shouldered hawk, deer</p>					
<p>Additional relevant factors:</p>					
<p>Assessment conducted by:</p> <p>SAE/LMP</p>				<p>Assessment date(s):</p> <p>07-Jan-2005</p>	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 03E-94E-I
Impact or Mitigation Impact	Assessment conducted by: SAE/LMP	Assessment Date: 07-Jan-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Cogon grass and other nuisance/ruderal species prevalent in area. Land mgmt practices have eliminated much of the structural complexity in area . Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have significant adverse impacts on wildlife.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Fair zonation- Spartina surrounds Juncus and other wetland grasses. Cattle influence. Part of a system surrounded by a network of deep ditches which is affecting hydrology. Land use practices to the N are also affecting drainage into this system.			
	w/o pres or current	with		
	6	0		
.500(7)(c) Community Structure	Spartina, Juncus and wetland grasses. Majority of plant covers is desirable plant species in all strata . Much lower/higher quantity of good structure habitat (see rule for details) Reduction in extent of topo features.			
	w/o pres or current	with		
	5	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.5000 0.0000

Delta = [with-current]:
-0.5000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	3.5016879
FL= delta x acres =	-1.7508 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 03E-96-I	
FLUCCs Code: 641-513	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 1.5938
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by cattle pasture. Agricultural lands East and South. Connected to another wetland.				
Assessment Area Description: Herbaceous wetland dominated by Juncus.				
Significant Nearby Features: Within the historic headwaters to Troublesome Creek that has now been ditched and fragmented.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) None				
Additional relevant factors:				
Assessment conducted by: LMP/SAE			Assessment date(s): 07-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 03E-96-I
Impact or Mitigation Impact	Assessment conducted by: SAE/LMP	Assessment Date: 07-Jan-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Cogon grass and other nuisance/ruderal species prevalent in area. Land mgmt practices have eliminated much of the structural complexity in area . No habitats outside AA provide support for wildlife in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have significant adverse impacts on wildlife.			
	w/o pres or current	with		
	3	0		
.500(7)(b) Water Environment (n/a for uplands)	Soil is dry in most areas. Fair zonation- Andropogon, Panicum hermitomon, Juncus. Part of a system surrounded by a network of deep ditches which is affecting hydrology. Land use practices to the N are also affecting drainage into this system.			
	w/o pres or current	with		
	5	0		
.500(7)(c) Community Structure	Dominated by Juncus. Other prominent plants include Myric cer, Panic hem and Andropogon. A few scattered hardwoods. Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species .			
	w/o pres or current	with		
	6	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.4667 0.0000

Delta = [with-current]:
-0.4667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	1.5937908
FL= delta x acres =	-0.7438 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 03E-98-I	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.0202
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by cattle pasture. Agriculture lands East and West. Connected to another wetland to the South.				
Assessment Area Description: Large cattle pond with Pontederia, Juncus.				
Significant Nearby Features: Within the historic headwaters to Troublesome Creek that has now been ditched and fragmented.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle egret, frog, cattle, American alligator				
Additional relevant factors:				
Assessment conducted by: SAE/LMP			Assessment date(s): 07-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 03E-98-I
Impact or Mitigation Impact	Assessment conducted by: LMP/SAE	Assessment Date: 07-Jan-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Ag land less than 100 yards E. No habitats outside AA provide support for wildlife in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have significant adverse impacts on wildlife.		
	w/o pres or current	with	
	3	0	
.500(7)(b) Water Environment (n/a for uplands)	Heavy cattle influence. No zonation. Part of a system surrounded by a network of deep ditches which is affecting hydrology. Land use practices to the N are also affecting drainage into this system. Water levels and flow moderately higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.		
	w/o pres or current	with	
	4	0	
.500(7)(c) Community Structure	Wetland grasses, Pontederia, Juncus. Majority of plant covers is desirable plant species in all strata. Much lower/higher quantity of good structure habitat (see rule for details) Land Management Practices resulted in partial removal/alteration of natural structures, add some artificial features. Lack topographic features.		
	w/o pres or current	with	
	3	0	

Score = sum of above scores/30 (if uplands, divide by 20)
0.3333 0.0000

Delta = [with-current]:
-0.3333

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.0202424
FL= delta x acres =	-0.0067 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 03W-02-I	
FLUCCs Code: 641		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 4.3395
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by tilled pasture, flatwoods to the North.					
Assessment Area Description: Large herbaceous wetland					
Significant Nearby Features: Brushy Creek 0.25 mile E Horse Creek 1.5 mile to the W			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle, hogs					
Additional relevant factors: None					
Assessment conducted by: SCR/AMF				Assessment date(s): 15-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 03W-02-I
Impact or Mitigation Impact	Assessment conducted by: SCR/AMF/smg	Assessment Date: 15-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	75% pasture surrounding wetland, flatwoods surround wetland to the N. Narrow buffer of native vegetation, but limited habitat outside the immediate vicinity. Little surrounding upland habitat available. Area Land Uses have minimal adverse impacts on wildlife. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers.			
	w/o pres or current	with		
	5	0		
.500(7)(b) Water Environment (n/a for uplands)	Appropriate zonation, strong cattle influence. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	6	0		
.500(7)(c) Community Structure	Juncus and Andropogon in outer ring, Pontedaria and maidencane in inner ring, Ludwi per present. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Minor degree of siltation/algal growth to impede submerged aquatic plant growth. Majority of plant covers is desirable plant species in all strata. Minimal cover by invasive/exotic plant species.			
	w/o pres or current	with		
	7	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.6000 0.0000

Delta = [with-current]:
-0.6000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	4.3395165
FL= delta x acres =	-2.6037 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 03W-06A-I	
FLUCCs Code: 630-641		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 3.4733
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Part of a larger wetland, surrounded by pasture (40%), hardwoods (40%) and other wetlands (20%)- connects to wetlands on East and South.</p>					
<p>Assessment Area Description:</p> <p>Partly herbaceous/partly forested wetland- herbaceous on E, forested on W</p>					
<p>Significant Nearby Features:</p> <p>Brushy Creek < 0.25 mile to the W</p>			<p>Uniqueness (considering the relative rarity in relation to the regional landscape.)</p> <p>None</p>		
<p>Functions:</p> <p>Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.</p>			<p>Mitigation for previous permit/other historic use:</p> <p>None</p>		
<p>Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)</p> <p>Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge</p>			<p>Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area):</p> <p>Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)</p>		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>Red-shouldered hawk, cattle, hogs, cardinal, cricket frog, blue-jay</p>					
<p>Additional relevant factors:</p>					
<p>Assessment conducted by:</p> <p>SCR</p>				<p>Assessment date(s):</p> <p>16-Feb-2005</p>	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 03W-06A-I
Impact or Mitigation Impact	Assessment conducted by: SCR/msg	Assessment Date: 16-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10) Condition is optimal and fully supports wetland/surface water functions	Moderate (7) Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal (4) Minimal level of support of wetland/surface water functions	Not Present (0) Condition is insufficient to provide wetland/surface water functions
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.500(7)(a) Location and Landscape Support	surrounded by pasture, hardwoods and other wetlands. Narrow buffer of native vegetation, but limited habitat outside the immediate vicinity. Little surrounding upland habitat available. Area Land Uses have minimal adverse impacts on wildlife. Wildlife access to/from AA is substantially limited, by distance or barriers.			
	w/o pres or current	with		
	5	0		
.500(7)(b) Water Environment (n/a for uplands)	Extreme cattle influence, forested area dry at TOS. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Water levels and flow moderately higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	4	0		
.500(7)(c) Community Structure	Juncus, smartweed, Pontedaria and Salix, Nymphoides, red maples dominate, Ludwi per present, forested component - slash pine, laurel oaks, scattered red maples, smartweed, Iris, wax myrtles. Grazing, lack of land maint. diminished comm. Structure Minimal cover by invasive/exotic plant species. Age/size distribution typical, may show temporary deviations. Topo features slightly less optimal.			
	w/o pres or current	with		
	7	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.5333	0.0000

Delta = [with-current]:
-0.5333

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	3.4733353
FL= delta x acres =	-1.8524 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 03W-06B-I	
FLUCCs Code: 641-617-630-643	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 7.0787
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Part of a larger wetland, connects to other wetlands in the NW and SE- surrounded by hardwoods and other wetlands, flatwoods 100 yards to the East.</p>				
<p>Assessment Area Description:</p> <p>Herbaceous wetland surrounded by a ring of hardwoods- bisected by road through center</p>				
Significant Nearby Features: Brushy Creek		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC) American alligator (T by FWS)		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>Unidentified ducks, cattle, hogs, green anole, black vulture, robin</p>				
<p>Additional relevant factors:</p> <p>Cattle trails and hog rooting in areas</p>				
Assessment conducted by: SCR/KMNR			Assessment date(s): 22-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 03W-06B-I
Impact or Mitigation Impact	Assessment conducted by: SCR/KMNR/msg	Assessment Date: 22-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	surrounded by other wetlands, hardwoods, and flatwood. part of larger wetland 250 yds to pasture it appears that a fence was erected to keep cattle out, however cattle got through cattle influence strong in some areas small amounts of Urena lob in Wildlife access to/from AA is not limited by distance or barriers. Area Land Uses have significant adverse impacts on wildlife. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA.			
	w/o pres or current	with		
	6	0		
.500(7)(b) Water Environment (n/a for uplands)	A road was constructed through the wetland, bisecting the wetland. strong cattle influence. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, etc.) have altered natural sheet flow in the area. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	5	0		
.500(7)(c) Community Structure	ring of red maples, wax myrtles, V. obovatum, Spartina, Juncus and Salix around edges, Inner zone of Pontedaria, maidencane, Thalia. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Evidence of near normal regeneration/recruitment. Land Management Practices resulted in partial removal/alteration of natural structures, add some artificial features.			
	w/o pres or current	with		
	6	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.5667 0.0000

Delta = [with-current]:
-0.5667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	7.0787221
FL= delta x acres =	-4.0113 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 03W-06C-I	
FLUCCs Code: 641-630-6417-6415	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 9.2473
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected to other wetlands, surrounded by hardwoods (60%) and pasture (40%).				
Assessment Area Description: Herbaceous wetland				
Significant Nearby Features: Brushy Creek < 0.25 mile to the W		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Snowy egret, cattle, hogs, mosquitofish				
Additional relevant factors: None				
Assessment conducted by: SCR			Assessment date(s): 16-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 03W-06C-I
Impact or Mitigation Impact	Assessment conducted by: SCR/msg	Assessment Date: 16-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	part of larger wetland- small connection at N end. Narrow buffer of native vegetation, but limited habitat outside the immediate vicinity. Little surrounding upland habitat available.heavy cattle influence Area Land Uses have minimal adverse impacts on wildlife. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I.			
	w/o pres or current	with		
	5	0		
.500(7)(b) Water Environment (n/a for uplands)	Azolla present - high nutrient levels. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	5	0		
.500(7)(c) Community Structure	dominated by Juncus and Spartina around edges, Pontedaria in center, also Polygonum and maidencane, Ludwi per present. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Minimal cover by invasive/exotic plant species . Slightly lower/higher quantity of good structural habitat (see rule for details).			
	w/o pres or current	with		
	6	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.5333 0.0000

Delta = [with-current]:
-0.5333

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	9.2473474
FL= delta x acres =	-4.9319 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 03W-06D-I	
FLUCCs Code: 641-617		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 1.2577
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by large wetland (75%) and borders cattle pasture (25%)connected to large wetland, Brushy Creek < 70 yards to West.					
Assessment Area Description: Herbaceous wetland- part of a larger wetland complex					
Significant Nearby Features: Brushy Creek			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Deer, cattle, hogs, robin, wren					
Additional relevant factors: None					
Assessment conducted by: SCR/KMNR				Assessment date(s): 22-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 03W-06D-I
Impact or Mitigation Impact	Assessment conducted by: SCR/KMNR/msg	Assessment Date: 22-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	bordered by pasture (25%) and hardwoods/other wetlands (75%). Brushy Creek < 700 yds to the Wjeep crossing along W edge Area Land Uses have significant adverse impacts on wildlife. Wildlife access to/from AA is partially limited by distance or barriers.			
	w/o pres or current	with		
	6	0		
.500(7)(b) Water Environment (n/a for uplands)	Connected to large wetland that flows downstream at SE corner, no obvious zonation. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen. Vegetation shows some signs of hydrologic stress.			
	w/o pres or current	with		
	7	0		
.500(7)(c) Community Structure	dominated by Juncus with smartweed, small amounts of Pontedaria scattered throughout. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Slightly lower/higher quantity of good structural habitat (see rule for details). Majority of plant covers is by undesirable plant species (invasive/exotic) in all strata .			
	w/o pres or current	with		
	5	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.6000	0.0000

Delta = [with-current]:
-0.6000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	1.2577105
FL= delta x acres =	-0.7546 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 03W-06E-I	
FLUCCs Code: 641-617		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 10.1925
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Part of larger wetland, connects to rest of wetland at N and W, stream runs from SE corner to another wetland surrounded by pasture (50%) and remainder by hardwoods and flatwoods</p>					
<p>Assessment Area Description:</p> <p>Herbaceous wetland with forested edges</p>					
<p>Significant Nearby Features:</p> <p>Brushy Creek 0.25 miles to the W</p>			<p>Uniqueness (considering the relative rarity in relation to the regional landscape.)</p> <p>None</p>		
<p>Functions:</p> <p>Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.</p>			<p>Mitigation for previous permit/other historic use:</p> <p>None</p>		
<p>Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)</p> <p>Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge</p>			<p>Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area):</p> <p>Wading birds foraging (SSC by FFWCC), Sandhill crane nesting (SSC by FFWCC), American alligator (T by FWS)</p>		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>Anhinga, robins, little blue heron, unidentified frogs, great egret</p>					
<p>Additional relevant factors:</p> <p>None</p>					
<p>Assessment conducted by:</p> <p>SCR/KMNR</p>				<p>Assessment date(s):</p> <p>22-Feb-2005</p>	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 03W-06E-I
Impact or Mitigation Impact	Assessment conducted by: SCR/smg	Assessment Date: 22-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	surrounded by pasture (50%) and remainder by flatwoods and hardwoods connected to another wetland by a stream flowing from SE corner Area Land Uses have significant adverse impacts on wildlife. Wildlife access to/from AA is substantially limited, by distance or barriers.			
	w/o pres or current	with		
	5	0		
.500(7)(b) Water Environment (n/a for uplands)	Duckweed present (in W part)- indicates high nutrient levels, cattle influence. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	6	0		
.500(7)(c) Community Structure	Ludwi per present, outer ring of Andro vir and Spart bak, followed by Juncus, Cladium, and smartweed. Center dominated by maidencane, Pontedaria. Salix duckweed present in W. Grazing and lack of land maintenance have diminished community structure. Slightly lower/higher quantity of good structural habitat (see rule for details). Evidence of near normal regeneration/recruitment. Minimal cover by invasive/exotic plant species. Minor degree of siltation/algal growth to impede submerged aquatic plant growth.			
	w/o pres or current	with		
	7	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.6000 0.0000

Delta = [with-current]:
-0.6000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	10.192453
FL= delta x acres =	-6.1155 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 03W-06F-I	
FLUCCs Code: 617-641		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 9.2395
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Part of larger wetland, connects to the NW and S to rest of wetland, surrounded by flatwoods and hardwoods					
Assessment Area Description: Forrested wetland with several herbaceous areas					
Significant Nearby Features: Brushy Creek 0.25 mile to the W			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Hogs, cattle					
Additional relevant factors: None					
Assessment conducted by: SCR/KMNR				Assessment date(s): 22-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 03W-06F-I
Impact or Mitigation Impact	Assessment conducted by: SCR/KMNR/msg	Assessment Date: 22-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10) Condition is optimal and fully supports wetland/surface water functions	Moderate (7) Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal (4) Minimal level of support of wetland/surface water functions	Not Present (0) Condition is insufficient to provide wetland/surface water functions
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.500(7)(a) Location and Landscape Support	connected to other wetlands at NE and S. borders flatwoods and hardwoods 150 yds to the nearest pasture Discharges from AA significant to downstream areas, which could suffer substantial adverse impacts if quality/quantity were altered. Area Land Uses have minimal adverse impacts on wildlife.			
	w/o pres or current	with		
	6	0		
.500(7)(b) Water Environment (n/a for uplands)	Cattle influence, forested areas dry at TOA, appropriate zonation. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	6	0		
.500(7)(c) Community Structure	forested areas with smartweed, laurel oaks, V. obovatum, herbaceous clearings dominated by Iris, Cladium, Salix. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Evidence of near normal regeneration/recruitment. Slightly lower/higher quantity of good structural habitat (see rule for details). No invasive/ exotic species.			
	w/o pres or current	with		
	8	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.6667 0.0000

Delta = [with-current]:
-0.6667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	9.2394651
FL= delta x acres =	-6.1596 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 03W-14-I	
FLUCCs Code: 641-643		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 6.1004
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by cattle pasture, Brushy Creek 600 yds to the East, Horse Creek 1 mile to the West.					
Assessment Area Description: Large herbaceous wetland					
Significant Nearby Features: Brushy Creek			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle, hogs, unidentified frog					
Additional relevant factors: None					
Assessment conducted by: SMG/JJB				Assessment date(s): 30-Sep-2011	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 03W-14-I
Impact or Mitigation Impact	Assessment conducted by: SMG/JJB	Assessment Date: 30-Sep-2011

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10) Condition is optimal and fully supports wetland/surface water functions	Moderate (7) Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal (4) Minimal level of support of wetland/surface water functions	Not Present (0) Condition is insufficient to provide wetland/surface water functions
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.500(7)(a) Location and Landscape Support	surrounded by pasture. Surrounded by low intensity agriculture and/or pasture. Little native available outside AA. only a quarter of this wetland is on the property cattle influence Area Land Uses have significant adverse impacts on wildlife.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Vegetative zonation not consistent throughout- patches of Andropogon and Spartina in center. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen. Vegetation shows some signs of hydrologic stress.			
	w/o pres or current	with		
	5	0		
.500(7)(c) Community Structure	Outer zone is Juncus, Spartina, and scattered wax myrtles, Inner zone contains Pontedaria, maidencane, and pennywort, Ludwi per present. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Minimal cover by invasive/exotic plant species . Minor degree of siltation/algal growth to impede submerged aquatic plant growth. Majority of plant covers is by undesirable plant species (invasive/exotic) in all strata .			
	w/o pres or current	with		
	5	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.4667 0.0000

Delta = [with-current]:
-0.4667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	6.1004290
FL= delta x acres =	-2.8469 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 03W-26-I	
FLUCCs Code: 641-643		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 12.5881
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by cattle pasture, Brushy Creek flows into wetland from East. Minimal flatwoods surrounding wetland.					
Assessment Area Description: Herbaceous wetland					
Significant Nearby Features: Brushy Creek (E), Horse Creek (1 mile to W)			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Least killifish, hogs, cattle, cattle egrets					
Additional relevant factors: None					
Assessment conducted by: AMF/SCR				Assessment date(s): 15-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 03W-26-I
Impact or Mitigation Impact	Assessment conducted by: SCr/AMF/smg	Assessment Date: 15-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Surrounded by pasture and minimal flatwoods. Surrounded by low intensity agriculture and/or pasture. Little native available outside AA.Brushy Creek E of wetland Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Area Land Uses have significant adverse impacts on wildlife. Wildlife access to/from AA is partially limited by distance or barriers.			
	w/o pres or current	with		
	5	0		
.500(7)(b) Water Environment (n/a for uplands)	Connected to Brushy Creek ,good zonation, impounded b/c of road. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area.			
	w/o pres or current	with		
	7	0		
.500(7)(c) Community Structure	Outside ring dominated by Spartina, Andropogon, Juncus, Inner ring dominated by maidencane, Pontedaria, Polygonum. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Moderate degree of siltation/algal growth to impede submerged aquatic plant growth. Slightly lower/higher quantity of good structural habitat (see rule for details).			
	w/o pres or current	with		
	6	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.6000 0.0000

Delta = [with-current]:
-0.6000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	12.588084
FL= delta x acres =	-7.5529 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 03W-30-I	
FLUCCs Code: 626-641-511	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 1.0523
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by cattle pasture, Brushy Creek tributary flows in from East, out at W Brushy Creek E of area				
Assessment Area Description: Wetland dominated by herbaceous vegetation- slash pine surrounded inundated area with some pines in the water				
Significant Nearby Features: Brushy Creek		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle, hogs				
Additional relevant factors:				
Assessment conducted by: SCR/AMF			Assessment date(s): 04-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 03W-30-I
Impact or Mitigation Impact	Assessment conducted by: SCR/AMF/smg	Assessment Date: 04-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Surrounded by pasture. Surrounded by low intensity agriculture and/or pasture. Little native available outside AA.Brushy Creek E of wetland- connects to other wetland areas Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I.			
	w/o pres or current	with		
	5	0		
.500(7)(b) Water Environment (n/a for uplands)	No apparent zonation, Brushy Creek trib flows in from E, out at W Connected to Brushy Creek. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	6	0		
.500(7)(c) Community Structure	Vegetation consists of Juncus patches, smartweed, small amounts of Pontedaria. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Majority of plant covers is by undesirable plant species (invasive/exotic) in all strata . Land Management Practices resulted in partial removal/alteration of natural structures, add some artificial features.			
	w/o pres or current	with		
	4	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.5000	0.0000

Delta = [with-current]:
-0.5000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	1.0523254
FL= delta x acres =	-0.5262 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 03W-34B-D	
FLUCCs Code: 617		Further Classification: N/A		Impact or Mitigation Site? Impact	
Assessment Area Size (ac): 0.7171		Basin/Watershed Name/Number:		Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A	
Affected Waterbody (Class): Class		Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Floodplain wetland that surrounds the channel of Brushy Creek floodplain wetland system.			
Assessment Area Description: Brushy Creek floodplain wetlands that will be disturbed for temporary utility/dragline crossing					
Significant Nearby Features: Brushy Creek			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) None					
Additional relevant factors: 					
Assessment conducted by: SMG				Assessment date(s): 10-Jul-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 03W-34B-D
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area.		
	w/o pres or current	with	
	7	0	
.500(7)(b) Water Environment (n/a for uplands)	Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area.		
	w/o pres or current	with	
	7	0	
.500(7)(c) Community Structure	Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure.		
	w/o pres or current	with	
	7	0	

Score = sum of above scores/30 (if uplands, divide by 20)
0.7000 0.0000

Delta = [with-current]:
-0.7000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.7171358
FL= delta x acres =	-0.5020 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 03W-34-D	
FLUCCs Code: 617		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.1772
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Floodplain wetland that surrounds the channel of Brushy Creek					
Assessment Area Description: Brushy Creek floodplain wetlands that will be disturbed for temporary utility/dragline crossing					
Significant Nearby Features: Brushy Creek			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) None					
Additional relevant factors:					
Assessment conducted by: SMG				Assessment date(s): 10-Jul-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 03W-34-D
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area.			
	w/o pres or current	with		
	7	0		
.500(7)(b) Water Environment (n/a for uplands)	Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure.			
	w/o pres or current	with		
	7	0		
.500(7)(c) Community Structure	Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure.			
	w/o pres or current	with		
	7	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.7000 0.0000

Delta = [with-current]:
-0.7000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.1771994
FL= delta x acres =	-0.1240 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 03W-36-I	
FLUCCs Code: 641-643-6417-630		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.6041
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Flatwoods to the North, cattle pasture in all other directions.					
Assessment Area Description: Standing water, few wetland grasses, scattered pines, oaks and small trees					
Significant Nearby Features: Brushy Creek 0.5 mile to the E			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Hogs, cattle					
Additional relevant factors: None					
Assessment conducted by: LMP/SAE				Assessment date(s): 30-Dec-2004	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 03W-36-I
Impact or Mitigation Impact	Assessment conducted by: LMP/SAE/smg	Assessment Date: 30-Dec-2004

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	75% surrounded by pasture. Surrounded by low intensity agriculture and/or pasture. Little native available outside AA. 25% surrounded by flatwoods. Habitat availability outside AA is fair, fails to provide support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have significant adverse impacts on wildlife.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Connected to larger wetland, cattle influence. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Very small parcel mostly surrounded by pasture. Vegetation or benthic community zonation in most strata inappropriate for TOS.			
	w/o pres or current	with		
	3	0		
.500(7)(c) Community Structure	little wetland vegetation, soggy soil, large trees. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Much lower/higher quantity of good structure habitat (see rule for details). Majority of plant covers is by undesirable plant species (invasive/exotic) in all strata.			
	w/o pres or current	with		
	4	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.3667 0.0000

Delta = [with-current]:
-0.3667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.6041175
FL= delta x acres =	-0.2215 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 03W-38A-I	
FLUCCs Code: 641-630-626-6415-643-513		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 20.7108
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Flatwoods to the North, cattle pasture surrounding in all other directions.					
Assessment Area Description: Large herbaceous wetland					
Significant Nearby Features: Brushy Creek is 0.5 mile to the E			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Leopard frog, little grass frog, small birds, other unidentified frogs					
Additional relevant factors: None					
Assessment conducted by: SMG/JJB				Assessment date(s): 30-Sep-2011	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 03W-38A-I
Impact or Mitigation Impact	Assessment conducted by: SMG/JJB	Assessment Date: 30-Sep-2011

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	75% surrounded by pasture. Surrounded by low intensity agriculture and/or pasture. Little native available outside AA. 25% surrounded by flatwoods. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have significant adverse impacts on wildlife.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Ditch flowing downstream in SW corner, cattle influence. Regional ditching. Historic natural stream flowing from SE edge has been channelized. Wetland has several ditches. Pines/oaks colonizing - possibly the result of ditching in combination w/dry years. Vegetation or benthic community zonation in most strata inappropriate for TOS.			
	w/o pres or current	with		
	5	0		
.500(7)(c) Community Structure	dominated by Juncus, good habitat for amphibians some large mammal refuge. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Majority of plant covers is desirable plant species in all strata.			
	w/o pres or current	with		
	6	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.5000 0.0000

Delta = [with-current]:
-0.5000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	20.710827
FL= delta x acres =	-10.3554 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 03W-40-I	
FLUCCs Code: 641-626-643		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 4.2997
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Surrounded by cattle pasture (75%) and hardwoods (25%), large wetland to Southwest, hydrologically isolated but deemed jurisdictional in the 2012 USACE Jurisdictional Verification.</p>					
<p>Assessment Area Description:</p> <p>This is a 4.30-acre herbaceous wetland.</p>					
Significant Nearby Features: Brushy Creek to the Northeast; Horse Creek 1 mile to the West			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle, cattle egret, leopard frog					
Additional relevant factors: None					
Assessment conducted by: SCR/AMF				Assessment date(s): 15-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 03W-40-I
Impact or Mitigation Impact	Assessment conducted by: SCR/AMF	Assessment Date: 15-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	surrounded by pasture (50%) and flatwoods (50%). Surrounded by low intensity agriculture and/or pasture. Little native available outside AA.large wetland to the SW Area Land Uses have significant adverse impacts on wildlife.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Hydrologically isolated, good zonation, but Heavy cattle influence. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	6	0		
.500(7)(c) Community Structure	Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Slightly lower/higher quantity of good structural habitat (see rule for details). No invasive/ exotic species. Minor degree of siltation/algal growth to impede submerged aquatic plant growth.			
	w/o pres or current	with		
	7	0		

Score = sum of above scores/30 (if uplands, divide by 20)		
0.5667		0.0000

Delta = [with-current]:
-0.5667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	4.2997163
FL= delta x acres =	-2.4365 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

** FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.*

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 03W-42-I	
FLUCCs Code: 641-643-626		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 2.1154
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by cattle pasture, Brushy Creek to the East.					
Assessment Area Description: Shallow herbaceous wetland					
Significant Nearby Features: Brushy Creek to the E			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle, hogs					
Additional relevant factors: None					
Assessment conducted by: SMG/JJB				Assessment date(s): 30-Sep-2011	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 03W-42-I
Impact or Mitigation Impact	Assessment conducted by: SMG/JJB	Assessment Date: 30-Sep-2011

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	surrounded by pasture. Surrounded by low intensity agriculture and/or pasture. Little native available outside AA.connects to larger wetlandsurrounded by buffer of flatwoods/hardwoods from pasture Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Connected by stream to Brushy Creek system. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Algal throughout. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradadation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	6	0		
.500(7)(c) Community Structure	Juncus throughout in patches dom. edges; middle open water/Panicum. Grazing/lack of land maint. (hog ctrl, fire, etc.) diminished comm struct. Very heavily grazed, most veg <2ft. Tall (except juncus/spartina. Transitional spp. encroaching center. Slightly lower/higher quantity of good structural habitat (see rule for details). Age/size distribution atypical, show permanent deviations. Majority of plant covers is desirable plant species in all strata .			
	w/o pres or current	with		
	5	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.5000	0.0000

Delta = [with-current]:
-0.5000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	2.1153911
FL= delta x acres =	-1.0577 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 03W-46-I	
FLUCCs Code: 617-630		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 2.3455
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands This wetland serves as a headwater system to Brushy Creek.					
Assessment Area Description: Forested swamp					
Significant Nearby Features: Connects to Brushy Creek			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Hog, cattle, gray squirrel, loggerhead shrike					
Additional relevant factors: None					
Assessment conducted by: SMG/JJB				Assessment date(s): 30-Sep-2011	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 03W-46-I
Impact or Mitigation Impact	Assessment conducted by: SMG/JJB	Assessment Date: 30-Sep-2011

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	forested wetland, surrounded by pasture. Brushy Creek flows into NE corNarrow buffer of native veg, limited habitat outside immediate vicinity. Little surrounding upland habitat avail for movement/nesting/denning. Area Land Uses have significant adverse impacts on wildlife. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I.			
	w/o pres or current	with		
	5	0		
.500(7)(b) Water Environment (n/a for uplands)	High nutrient levels evident, cattle influence. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Presence/evidence of use by animal species w/specific hydrologic requirements is consistent w/expected expected hydrologic conditions for TOS. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	6	0		
.500(7)(c) Community Structure	Vegetation consists of bay trees, maples, wax myrtles, etc. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Slightly lower/higher quantity of good structural habitat (see rule for details). Evidence of near normal regeneration/recruitment.			
	w/o pres or current	with		
	7	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.6000	0.0000

Delta = [with-current]:
-0.6000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	2.345548
FL= delta x acres =	-1.4073 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

** FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.*

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 03W-48-I	
FLUCCs Code: 630-511		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.5483
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by flatwoods with pasture outside of the flatwoods; connecttwo wetlands.					
Assessment Area Description: Floodplain wetland connecting headwater wetlands to Brushy Creek.					
Significant Nearby Features: Directly connected to Brushy Creek floodplain wetlands.			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Hogs, cattle, cardinal, woodpecker, robin, crows, deer					
Additional relevant factors: None					
Assessment conducted by: SMG/JJB				Assessment date(s): 30-Sep-2011	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 03W-48-I
Impact or Mitigation Impact	Assessment conducted by: SMG/JJB	Assessment Date: 30-Sep-2011

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10) Condition is optimal and fully supports wetland/surface water functions	Moderate (7) Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal (4) Minimal level of support of wetland/surface water functions	Not Present (0) Condition is insufficient to provide wetland/surface water functions
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.500(7)(a) Location and Landscape Support	surrounded by flatwoods, with pasture outside of that connects 2 wetlands (1 creek) hog damaged discharges have moderate effects to downstream areas strong cattle influence Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Area Land Uses have significant adverse impacts on wildlife. Wildlife access to/from AA is partially limited by distance or barriers.			
	w/o pres or current	with		
	5	0		
.500(7)(b) Water Environment (n/a for uplands)	Banks steep, tree roots exposed -Eroded areas along this stretch used as jeep/cattle crossings Regional ditching has lowered the water environment site-wide, and land mgmt activities have altered natural sheet flow in the area. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	5	0		
.500(7)(c) Community Structure	Small clumps of Juncus and wax myrtles within the channel. Grazing/lack of land maintenance have diminished community structure. Hog rooting and several cattle crossings along this short reach of stream have altered flow and species composition. Minimal cover by invasive/exotic plant species. Evidence of near normal regeneration/recruitment. Slightly lower/higher quantity of good structural habitat (see rule for details).			
	w/o pres or current	with		
	7	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.5667 0.0000

Delta = [with-current]:
-0.5667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.5483167
FL= delta x acres =	-0.3107 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 04E-06-I	
FLUCCs Code: 617-641		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 1.7382
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Connected to another wetland to the North. Surrouned by hardwoods. Less than 100 yards South of mine. Pasture less than 50 yards East. Connects to chain of hardwoods to the South.</p>					
<p>Assessment Area Description:</p> <p>Forested wetland. Lots of wetland ground cover plants.</p>					
Significant Nearby Features: Connected downstream to Brushy Creek.			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>Cattle, hog</p>					
Additional relevant factors:					
Assessment conducted by: SMG/Matt Wilson				Assessment date(s): 30-Sep-2011	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 04E-06-I
Impact or Mitigation Impact	Assessment conducted by: SMG/Matt Wilson	Assessment Date: 22-Sep-2011

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Connected to another wetland. Surrounded by hardwoods. Less than 100 yards S of mine. Pasture less than 50 yards E. Connects to chain of hardwoods to the S. Area Land Uses have significant adverse impacts on wildlife. Wildlife access to/from AA is substantially limited, by distance or barriers. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	No zonation. High nutrient levels evident, cattle influence. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area.			
	w/o pres or current	with		
	2	0		
.500(7)(c) Community Structure	Many ground cover wetland plants, hardwoods. Very heavily grazed; evidence of feral hogs Much lower/higher quantity of good structure habitat (see rule for details) Minimal cover by invasive/exotic plant species .			
	w/o pres or current	with		
	6	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.4000	0.0000

Delta = [with-current]:
-0.4000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	1.7381775
FL= delta x acres =	-0.6953 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

** FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.*

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 04E-08-I	
FLUCCs Code: 641-617		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 2.3351
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Connects to another wetland to the South. Borders phosphate mine to the North (less than 25 yards). Less than 25 yards West of pasture.</p>					
<p>Assessment Area Description:</p> <p>Herbaceous wetland dominated by Pontederia in inner zone (mostly dead) and Juncus and Panicum in outer zone.</p>					
<p>Significant Nearby Features:</p> <p>Abuts South Pasture mine</p>			<p>Uniqueness (considering the relative rarity in relation to the regional landscape.)</p> <p>None</p>		
<p>Functions:</p> <p>Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.</p>			<p>Mitigation for previous permit/other historic use:</p> <p>None</p>		
<p>Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)</p> <p>Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge</p>			<p>Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area):</p> <p>Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)</p>		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>None</p>					
<p>Additional relevant factors:</p>					
<p>Assessment conducted by:</p> <p>SAE/LMP</p>				<p>Assessment date(s):</p> <p>11-Jan-2005</p>	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 04E-08-I
Impact or Mitigation Impact	Assessment conducted by: SAE/LMP	Assessment Date: 11-Jan-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10) Condition is optimal and fully supports wetland/surface water functions	Moderate (7) Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal (4) Minimal level of support of wetland/surface water functions	Not Present (0) Condition is insufficient to provide wetland/surface water functions
--	---	---	--	---

.500(7)(a) Location and Landscape Support	Area Land Uses have significant adverse impacts on wildlife. Wildlife access to/from AA is substantially limited, by distance or barriers. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Soil is moist and spongy with algae covering some areas. Some zonation. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area.			
	w/o pres or current	with		
	4	0		
.500(7)(c) Community Structure	Algae growth on moist soil in some areas. Dominated by Pontaderia in center and Juncus in the outer zone. Majority of plant covers is desirable plant species in all strata. Minimal evidence of regeneration/recruitment.			
	w/o pres or current	with		
	5	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.4333	0.0000

Delta = [with-current]:
-0.4333

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	2.3350827
FL= delta x acres =	-1.0119 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 04E-15-I	
FLUCCs Code: 6415	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.2635
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Hydrologically isolated but deemed jurisdictional in the 2012 USACE Jurisdictional Verification.				
Assessment Area Description: This is a 0.26-acre herbaceous marsh.				
Significant Nearby Features: None		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) None				
Additional relevant factors: None				
Assessment conducted by: SMG			Assessment date(s): 10-Jul-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 04E-15-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10) Condition is optimal and fully supports wetland/surface water functions	Moderate (7) Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal (4) Minimal level of support of wetland/surface water functions	Not Present (0) Condition is insufficient to provide wetland/surface water functions
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.500(7)(a) Location and Landscape Support	Area Land Uses have severe adverse impacts on wildlife. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I.				
<table border="1"> <tr> <td>w/o pres or current</td> <td>with</td> </tr> <tr> <td align="center">3</td> <td align="center">0</td> </tr> </table>	w/o pres or current	with	3	0	
w/o pres or current	with				
3	0				
.500(7)(b) Water Environment (n/a for uplands)	Heavy cattle influence. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area.				
<table border="1"> <tr> <td>w/o pres or current</td> <td>with</td> </tr> <tr> <td align="center">3</td> <td align="center">0</td> </tr> </table>	w/o pres or current	with	3	0	
w/o pres or current	with				
3	0				
.500(7)(c) Community Structure	Much lower/higher quantity of good structure habitat (see rule for details) No evidence of regeneration/recruitment.				
<table border="1"> <tr> <td>w/o pres or current</td> <td>with</td> </tr> <tr> <td align="center">2</td> <td align="center">0</td> </tr> </table>	w/o pres or current	with	2	0	
w/o pres or current	with				
2	0				

Score = sum of above scores/30 (if uplands, divide by 20)
0.2667 0.0000

Delta = [with-current]:
-0.2667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.2634524
FL= delta x acres =	-0.0703 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 04E-16-I	
FLUCCs Code: 641		Further Classification: N/A		Impact or Mitigation Site? Impact	
				Assessment Area Size (ac): 0.9711	
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class		Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A	
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Hydrologically isolated but deemed jurisdictional in the 2012 USACE Jurisdictional Verification. Surrounded by cattle pasture. Mine .25 mile North.</p>					
<p>Assessment Area Description:</p> <p>This is a 0.97-acre herbaceous wetland; monoculture of Juncus.</p>					
<p>Significant Nearby Features:</p> <p>Within 100' of ditch that drains area to Troublesome Creek.</p>			<p>Uniqueness (considering the relative rarity in relation to the regional landscape.)</p> <p>None</p>		
<p>Functions:</p> <p>Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.</p>			<p>Mitigation for previous permit/other historic use:</p> <p>None</p>		
<p>Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)</p> <p>Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge</p>			<p>Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area):</p> <p>Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)</p>		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>Cattle, hog</p>					
<p>Additional relevant factors:</p>					
<p>Assessment conducted by:</p> <p>LMP/SAE</p>				<p>Assessment date(s):</p> <p>10-Jan-2005</p>	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 04E-16-I
Impact or Mitigation Impact	Assessment conducted by: SAE/LMP	Assessment Date: 10-Jan-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Area Land Uses have severe adverse impacts on wildlife. Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have significant adverse impacts on wildlife.			
	w/o pres or current	with		
	3	0		
.500(7)(b) Water Environment (n/a for uplands)	Heavy cattle influence. Moist soil throughout. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area.			
	w/o pres or current	with		
	2	0		
.500(7)(c) Community Structure	Monoculture of Juncus. Much lower/higher quantity of good structure habitat (see rule for details) No evidence of regeneration/recruitment.			
	w/o pres or current	with		
	2	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.2333	0.0000

Delta = [with-current]:
-0.2333

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.9711266
FL= delta x acres =	-0.2266 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 04E-18-I	
FLUCCs Code: 641-617-513-6415		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 22.2042
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Northern portion of a larger wetland. Surrounded by hardwoods. Pastures about 100 yards East and West in most areas of the wetland. About 100 yards South of phosphate mine.</p>					
<p>Assessment Area Description:</p> <p>Large herbaceous wetland. Ditch runs through the center. Areas of deeper water throughout.</p>					
<p>Significant Nearby Features:</p> <p>Crossed by Agricultural Road and fed by large ditch.</p>			<p>Uniqueness (considering the relative rarity in relation to the regional landscape.)</p> <p>None</p>		
<p>Functions:</p> <p>Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.</p>			<p>Mitigation for previous permit/other historic use:</p> <p>None</p>		
<p>Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)</p> <p>Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge</p>			<p>Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area):</p> <p>Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)</p>		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>Egret, great blue heron, cattle, hog, woodstork</p>					
<p>Additional relevant factors:</p>					
<p>Assessment conducted by:</p> <p>LMP/SAE</p>				<p>Assessment date(s):</p> <p>10-Jan-2005</p>	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 04E-18-I
Impact or Mitigation Impact	Assessment conducted by: LMP/SAE	Assessment Date: 10-Jan-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Narrow buffer of native vegetation, but limited habitat outside the immediate vicinity. Little surrounding upland habitat available. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have significant adverse impacts on wildlife.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Regional ditching has lowered the water environment site-wide, land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area.			
	w/o pres or current	with		
	2	0		
.500(7)(c) Community Structure	Dominated by Juncus in most parts. Moderate amount of algae on surface in some areas. Moderate degree of siltation/algal growth to impede submerged aquatic plant growth.			
	w/o pres or current	with		
	4	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.3333 0.0000

Delta = [with-current]:
-0.3333

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	22.204184
FL= delta x acres =	-7.4014 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 04E-26-I	
FLUCCs Code: 641-513-617		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 7.6603
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Northern portion of a chain of wetlands. Surrounded primarily by hardwoods and pasture. Many wetlands nearby.</p>					
<p>Assessment Area Description: Herbaceous wetland dominated by Juncus. Center has standing water that is covered by algae.</p>					
<p>Significant Nearby Features: Within the historic headwaters to Troublesome Creek that has now been ditched and fragmented.</p>			<p>Uniqueness (considering the relative rarity in relation to the regional landscape.) None</p>		
<p>Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.</p>			<p>Mitigation for previous permit/other historic use: None</p>		
<p>Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge</p>			<p>Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)</p>		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle, fire ants, hog, egret</p>					
<p>Additional relevant factors:</p>					
<p>Assessment conducted by: LMP/SAE</p>				<p>Assessment date(s): 06-Jan-2005</p>	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 04E-26-I
Impact or Mitigation Impact	Assessment conducted by: LMP/SAE	Assessment Date: 06-Jan-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Surrounded by moderate/varying width of native habitat within active cattle operation. Cogon grass and other nuisance/ruderal species prevalent in area. Land mgmt practices have eliminated much of the structural complexity in area. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have significant adverse impacts on wildlife.			
	w/o pres or current	with		
	5	0		
.500(7)(b) Water Environment (n/a for uplands)	Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area.			
	w/o pres or current	with		
	3	0		
.500(7)(c) Community Structure	Dominated by Juncus. High degree of siltation/algal growth to impede submerged aquatic plant growth. Minimal cover by invasive/exotic plant species .			
	w/o pres or current	with		
	3	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.3667 0.0000

Delta = [with-current]:
-0.3667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	7.6603114
FL= delta x acres =	-2.8088 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 04E-30-I	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.2903
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Hydrologically isolated but deemed jurisdictional in the 2012 USACE Jurisdictional Verification. Large wetland is ~100 yards East. Surrounded by pasture and hardwoods. About 500 yds N to mine.</p>				
<p>Assessment Area Description:</p> <p>Herbaceous wetland with moist soil, scattered Juncus, and a variety of grasses. A small ditch is on the NW side.</p>				
Significant Nearby Features: None		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>Cattle</p>				
Additional relevant factors:				
Assessment conducted by: SAE/LMP			Assessment date(s): 11-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 04E-30-I
Impact or Mitigation Impact	Assessment conducted by: SAE/LMP/smg	Assessment Date: 11-Jan-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Surrounded by pasture and hardwoods. Close to other wetlands. ~500 yds N to phosphate mine. Surrounded by moderate or varying width of native habitat within active cattle operation. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Moist soil throughout. Ditch runs through on NW side. Heavy cattle influence. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area.			
	w/o pres or current	with		
	2	0		
.500(7)(c) Community Structure	Primarily wetland grasses. Scattered Juncus throughout. Much lower/higher quantity of good structure habitat (see rule for details) No evidence of regeneration/recruitment.			
	w/o pres or current	with		
	2	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.2667 0.0000

Delta = [with-current]:
-0.2667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.2903174
FL= delta x acres =	-0.0774 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 04E-32-I	
FLUCCs Code: 641-6417-6415	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 2.4011
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected to a larger wetland. Surrounded by pasture and scattered hardwoods.				
Assessment Area Description: Herbaceous wetland with wetland trees throughout. Juncus borders the area.				
Significant Nearby Features: Deep ditch borders to the south; large canal ~700' to the south; active mining to the north.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Small birds, cattle, hog				
Additional relevant factors:				
Assessment conducted by: SMG/Matt Wilson			Assessment date(s): 22-Sep-2011	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 04E-32-I
Impact or Mitigation Impact	Assessment conducted by: SMG/Matt Wilson	Assessment Date: 22-Sep-2011

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10) Condition is optimal and fully supports wetland/surface water functions	Moderate (7) Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal (4) Minimal level of support of wetland/surface water functions	Not Present (0) Condition is insufficient to provide wetland/surface water functions
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.500(7)(a) Location and Landscape Support	Surrounded by pasture and hardwoods/ flatwoods. Connected to other wetlands. Surrounded by moderate or varying width of native habitat within active cattle operation. Area Land Uses have significant adverse impacts on wildlife. Wildlife access to/from AA is substantially limited, by distance or barriers.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Standing water throughout. Heavy cattle influence. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Water levels and flow moderately higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	4	0		
.500(7)(c) Community Structure	Wetland trees throughout. Juncus borders area. Heavy cattle grazing has altered the community structure. Much lower/higher quantity of good structure habitat (see rule for details) Minimal cover by invasive/exotic plant species .			
	w/o pres or current	with		
	6	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.4667 0.0000

Delta = [with-current]:
-0.4667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	2.4010513
FL= delta x acres =	-1.1205 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 04E-36-I	
FLUCCs Code: 641-617		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 3.3169
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Southern portion of a chain of wetlands. Surrounded by hardwoods. Pasture less than 50 yds W. 400-500 yds S of mine.</p>					
<p>Assessment Area Description:</p> <p>Herbaceous wetland with Panicum hemitomon, Juncus, Woodwardia virginica. Hardwoods in the center.</p>					
<p>Significant Nearby Features:</p> <p>Within the historic headwaters to Troublesome Creek that has now been ditched and fragmented.</p>			<p>Uniqueness (considering the relative rarity in relation to the regional landscape.)</p> <p>None</p>		
<p>Functions:</p> <p>Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.</p>			<p>Mitigation for previous permit/other historic use:</p> <p>None</p>		
<p>Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)</p> <p>Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge</p>			<p>Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area):</p> <p>Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)</p>		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>Cattle</p>					
<p>Additional relevant factors:</p>					
<p>Assessment conducted by:</p> <p>SAE/LMP</p>				<p>Assessment date(s):</p> <p>06-Jan-2005</p>	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 04E-36-I
Impact or Mitigation Impact	Assessment conducted by: SAE/LMP/msg	Assessment Date: 06-Jan-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Surrounded by moderate or varying width of native habitat within active cattle operation. Cogon grass and other nuisance/ruderal species prevalent in area. Land mgmt practices have eliminated much of the structural complexity in th Area Land Uses have minimal adverse impacts on wildlife. Wildlife access to/from AA is partially limited by distance or barriers. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I.			
	w/o pres or current	with		
	5	0		
.500(7)(b) Water Environment (n/a for uplands)	Fair zonation. Cattle influence. Part of a system surrounded by a network of deep ditches which is affecting hydrology. Land use practices to the N are also affecting drainage into this system.			
	w/o pres or current	with		
	6	0		
.500(7)(c) Community Structure	High diversity of wetland plants. Many herbaceous plants and various hardwoods. Majority of plant covers is desirable plant species in all strata . Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species .			
	w/o pres or current	with		
	7	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.6000 0.0000

Delta = [with-current]:
-0.6000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	3.3168527
FL= delta x acres =	-1.9901 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

** FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.*

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 04E-50-I	
FLUCCs Code: 617	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.0592
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by pasture and scattered hardwoods.				
Assessment Area Description: This wetland is the very northern tip of a larger wetland that continues on the other side of the property line. Stagnant water.				
Significant Nearby Features: Abuts the project boundary to the South.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) None				
Additional relevant factors:				
Assessment conducted by: LMP/SAE			Assessment date(s): 11-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 04E-50-I
Impact or Mitigation Impact	Assessment conducted by: LMP/SAE/smg	Assessment Date: 11-Jan-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Area Land Uses have minimal adverse impacts on wildlife. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Wildlife access to/from AA is partially limited by distance or barriers.			
	w/o pres or current	with		
	5	0		
.500(7)(b) Water Environment (n/a for uplands)	Stagnant water with duckweed covering the surface. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area.			
	w/o pres or current	with		
	5	0		
.500(7)(c) Community Structure	Duckweed covers the water surface. Small oaks throughout. Scattered Ludwi per. Much lower/higher quantity of good structure habitat (see rule for details)			
	w/o pres or current	with		
	4	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.4667 0.0000

Delta = [with-current]:
-0.4667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.0591742
FL= delta x acres =	-0.0276 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

** FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.*

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 04E-64-I	
FLUCCs Code: 641-6415		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 10.4910
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connects to another wetland. Surrounded by pasture.					
Assessment Area Description: Herbaceous wetland dominated by Andropogon and Panicum hemitomon.					
Significant Nearby Features: Abuts the project boundary to the South.			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)					
Additional relevant factors:					
Assessment conducted by: SAE/LMP			Assessment date(s): 11-Jan-2005		

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 04E-64-I
Impact or Mitigation Impact	Assessment conducted by: SAE/LMP	Assessment Date: 11-Jan-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Surrounded by intensive agriculture, high human activity, use of herbicides, pesticides, etc. No habitats outside AA provide support for wildlife in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have significant adverse impacts on wildlife.			
	w/o pres or current	with		
	3	0		
.500(7)(b) Water Environment (n/a for uplands)	Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area.			
	w/o pres or current	with		
	3	0		
.500(7)(c) Community Structure	Dominated by Andropogon and Panic hem. Majority of plant covers is by undesirable plant species (invasive/exotic) in all strata .			
	w/o pres or current	with		
	3	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.3000 0.0000

Delta = [with-current]:
-0.3000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	10.491045
FL= delta x acres =	-3.1473 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 04E-68-I	
FLUCCs Code: 641-6415	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 5.3049
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Cattle pasture to the North. Connected to large wetland at Southern point.				
Assessment Area Description: Herbaceous wetland connected to a larger wetland. Heavy cattle influence.				
Significant Nearby Features: Abuts the project boundary to the South.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle				
Additional relevant factors:				
Assessment conducted by: LMP/SAE			Assessment date(s): 10-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 04E-68-I
Impact or Mitigation Impact	Assessment conducted by: LMP/SAE	Assessment Date: 10-Jan-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Surrounded by intensive agriculture, high human activity, use of herbicides, pesticides, etc. No habitats outside AA provide support for wildlife in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have significant adverse impacts on wildlife.			
	w/o pres or current	with		
3	0			
.500(7)(b) Water Environment (n/a for uplands)	Connected to larger wetland to the S. Standing water throughout. Heavy cattle influence. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area.			
	w/o pres or current	with		
3	0			
.500(7)(c) Community Structure	Variety of wetland plants- Andropogon, Juncus, Panic hem. Much lower/higher quantity of good structure habitat (see rule for details)			
	w/o pres or current	with		
4	0			

Score = sum of above scores/30 (if uplands, divide by 20)	
0.3333	0.0000

Delta = [with-current]:
-0.3333

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	5.3049271
FL= delta x acres =	-1.7683 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

** FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.*

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 05E-02-I	
FLUCCs Code: 617-641-643-513-511-626		Further Classification: N/A		Impact or Mitigation Site?: Impact	Assessment Area Size (ac): 69.7188
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected to many wetlands, surrounded by hardwoods/large natural area.					
Assessment Area Description: Very large forested wetland containing small areas of herbaceous wetlands and areas of dry uplands. Area within a large natural area.					
Significant Nearby Features: Hwy 663 <0.5 mi E			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cardinal, frog, cattle, hog					
Additional relevant factors:					
Assessment conducted by: SAE/LMP				Assessment date(s): 12-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 05E-02-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Surrounded by flatwoods/hardwoods. Connected to a chain of wetlands. HWY 663 <1/2 mi E. Mined area to N. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Wildlife access to/from AA is partially limited by distance or barriers. Area Land Uses have minimal adverse impacts on wildlife.			
	w/o pres or current	with		
	6	0		
.500(7)(b) Water Environment (n/a for uplands)	Standing water in areas. Stream flows throughout area on NW side. Azolla, Lemna, and Pistia cover most exposed open water areas. Fire history indicates atypical fire frequency or severity due to excessive dryness. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	6	0		
.500(7)(c) Community Structure	Forested large natural area/wetland. Many oaks, maples, pine, and sweetgum. Ludwi per inhabits some herbaceous wetland areas. Heavy hurricane damage with many fallen trees. Many wetland plants and grasses throughout. Good fauna habitat. Age/size distribution typical. Minimal cover by invasive/exotic plant species. Minor degree of siltation/algal growth to impede submerged aquatic plant growth. Minimal evidence of regeneration/recruitment. Age/size distribution typical, may show temporary deviations.			
	w/o pres or current	with		
	6	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.6000 0.0000

Delta = [with-current]:
-0.6000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	69.718771
FL= delta x acres =	-41.8313 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 05E-04-I	
FLUCCs Code: 643-617-641-625	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 2.0221
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected to a chain of wetlands. Surrounded by flatwoods. North section borders mined land.				
Assessment Area Description: Herbaceous wetland dry at time of assessment. Connected to wetlands.				
Significant Nearby Features: 663 <1/2 mi E		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Deer, cattle, hog				
Additional relevant factors:				
Assessment conducted by: SAE/LMP			Assessment date(s): 12-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 05E-04-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	N section borders mine. Area connects two wetlands together. On edge of large natural area. Surrounded by flatwoods. Area Land Uses have significant adverse impacts on wildlife. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Little to no cattle influence. Dry at TOA; no zonation.			
	w/o pres or current	with		
	4	0		
.500(7)(c) Community Structure	Wetland plants include juncus, andropogon, scattered wax myrtles, hydrocotyle umbellata, and other small wetland grasses and ground covers. Much lower/higher quantity of good structure habitat (see rule for details) Minimal cover by invasive/exotic plant species .			
	w/o pres or current	with		
	5	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.4333	0.0000

Delta = [with-current]:
-0.4333

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	2.0220606
FL= delta x acres =	-0.8762 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

** FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.*

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 05E-06A-I	
FLUCCs Code: 641-625-6417-643		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 13.7978
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by hardwoods and flatwoods. Borders mine to north. Connects to other wetlands.					
Assessment Area Description: Herbaceous wetland with standing water surrounded by hardwoods and flatwoods.					
Significant Nearby Features: Hwy 663 and associated gas line, RR track and electrical transmission lines ~200 yds E; active mine adjacent to the north.			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Unidentified frog, cattle, hog					
Additional relevant factors:					
Assessment conducted by: SMG/Matt Wilson				Assessment date(s): 22-Sep-2011	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 05E-06A-I
Impact or Mitigation Impact	Assessment conducted by: SMG/Matt Wilson	Assessment Date: 23-Sep-2011

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Borders mine on N. Flatwoods/hardwoods surround area. Connects to other wetlands. On edge of large natural area. Hwy 663 ~200 yds E. Area Land Uses have significant adverse impacts on wildlife. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Standing water throughout 4-12". Heavy pig influence, some cattle influence. Deep center on E side with good zonation.			
	w/o pres or current	with		
	6	0		
.500(7)(c) Community Structure	Juncus, spartina, and wax myrtle; grazed. Luwi per present along northern edge. Much lower/higher quantity of good structure habitat (see rule for details) Minimal cover by invasive/exotic plant species .			
	w/o pres or current	with		
	6	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.5333	0.0000

Delta = [with-current]:
-0.5333

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	13.797831
FL= delta x acres =	-7.3588 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 05E-06B-I	
FLUCCs Code: 6417-625		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.4621
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Surrounded by flatwoods and hardwoods connected to a larger wetland; possible connection to another wetland on E side.</p>					
<p>Assessment Area Description:</p> <p>Small herbaceous dry wetland connected to a larger wetland on West side. Possible connection to wetland on East side. Surrounded by flatwoods and hardwoods.</p>					
Significant Nearby Features: Hwy663			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Pigs, small birds					
Additional relevant factors:					
Assessment conducted by: SAE/LMP				Assessment date(s): 12-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 05E-06B-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Connected to other wetlands surrounded by flatwoods. 150 yds S of mine. ~150 yds W of hwy 663. On border of large natural area. Wildlife access to/from AA is substantially limited, by distance or barriers. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Mostly dry with no zonation.			
	w/o pres or current	with		
	2	0		
.500(7)(c) Community Structure	Mixture of andropogon, Panic hem, wax myrtle, and other small wetlan grasses. Majority of plant covers is desirable plant species in all strata . Much lower/higher quantity of good structure habitat (see rule for details) Land Management Practices resulted in partial removal/alteration of natural structures, add some artificial features.			
	w/o pres or current	with		
	4	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.3333 0.0000

Delta = [with-current]:
-0.3333

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.4621325
FL= delta x acres =	-0.1540 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 05E-08-I	
FLUCCs Code: 641-6417-625	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 4.2926
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by flatwoods; connects to wetland on other side of hwy 663 via culvert.				
Assessment Area Description: Herbaceous wetland dominated by Panicum hemitomon surrounded by flatwoods and Pontederia.				
Significant Nearby Features: Borders hwy 663		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Pigs				
Additional relevant factors: Little to no cattle influence				
Assessment conducted by: LMP/SAE			Assessment date(s): 12-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 05E-08-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	E edge borders hwy 663. ~ 200 yds S of mine. Surrounded by flatwoods. Connects to other wetlands. Area Land Uses have significant adverse impacts on wildlife. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I.			
	w/o pres or current	with		
	4	0		

.500(7)(b) Water Environment (n/a for uplands)	Standing water throughout; deep in areas. Fair zonation, connects to two other wetlands. No visible cattle influence.			
	w/o pres or current	with		
	6	0		

.500(7)(c) Community Structure	Minimal algae on surface of water dominated by Panic hem and pontederia surrounded by spartina and wax myrtle. Much lower/higher quantity of good structure habitat (see rule for details) Minimal cover by invasive/exotic plant species .			
	w/o pres or current	with		
	6	0		

Score = sum of above scores/30 (if uplands, divide by 20)		
0.5333		0.0000

Delta = [with-current]:
-0.5333

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	4.2925567
FL= delta x acres =	-2.2894 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

** FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.*

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 05E-10-I	
FLUCCs Code: 641-617	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 5.6295
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Borders hwy 663 on W side. Mine 200 yds N. Large natural area W.				
Assessment Area Description: Herbaceous wetland dominated by Juncus, Panicum hemitomom, and Typha surrounded by cattle pasture and scattered hardwoods.				
Significant Nearby Features: Borders hwy 663		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) None				
Additional relevant factors:				
Assessment conducted by: SAE/LMP			Assessment date(s): 11-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 05E-10-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	W side borders hwy 663. Surrounded by pasture and scattered hardwoods. Mine ~100 yds to the N. Large wetland 100 yds E. Area Land Uses have significant adverse impacts on wildlife. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I.			
	w/o pres or current	with		
	3	0		
.500(7)(b) Water Environment (n/a for uplands)	Standing water; deep in areas. Connects to wetland under 663 via culvert.			
	w/o pres or current	with		
	5	0		
.500(7)(c) Community Structure	Juncus, panicum, typha, and Ludwi per mixed throughout wetland. Much lower/higher quantity of good structure habitat (see rule for details) Minimal cover by invasive/exotic plant species .			
	w/o pres or current	with		
	5	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.4333 0.0000

Delta = [with-current]:
-0.4333

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	5.6294585
FL= delta x acres =	-2.4394 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 05E-12-I	
FLUCCs Code: 618-617-6417-641		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 23.5521
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Surrounded by cattle pasture. Hwy 663 ~300 yds to W. Borders Mined land N. Ditch flows downstream at SE corner.</p>					
<p>Assessment Area Description:</p> <p>Large forested wetland surrounded by pasture. Ditch flows downstream at SE corner.</p>					
<p>Significant Nearby Features:</p> <p>~300 yds W of 663</p>			<p>Uniqueness (considering the relative rarity in relation to the regional landscape.)</p> <p>None</p>		
<p>Functions:</p> <p>Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.</p>			<p>Mitigation for previous permit/other historic use:</p> <p>None</p>		
<p>Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)</p> <p>Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge</p>			<p>Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area):</p> <p>Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)</p>		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>Cattle</p>					
<p>Additional relevant factors:</p>					
<p>Assessment conducted by:</p> <p>SAE/LMP</p>				<p>Assessment date(s):</p> <p>11-Jan-2005</p>	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 05E-12-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Borders mine on N side, hardwoods to W, wetland to E surrounded by pasture. Hwy 663 <300 yds W. Narrow buffer of native veg, limited habitat outside immediate vicinity. Little surrounding upland habitat avail for movement/nesting/denning. Area Land Uses have significant adverse impacts on wildlife. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Standing water throughout wetland with minimal zonation.			
	w/o pres or current	with		
	6	0		
.500(7)(c) Community Structure	Forested with juncus and Ludwi per. Minimal cover by invasive/exotic plant species . Minor degree of siltation/algal growth to impede submerged aquatic plant growth. Much lower/higher quantity of good structure habitat (see rule for details) Land Management Practices resulted in partial removal/alteration of natural structures, add some artificial features.			
	w/o pres or current	with		
	5	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.5000 0.0000

Delta = [with-current]:
-0.5000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	23.552075
FL= delta x acres =	-11.7760 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

** FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.*

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 05E-14-I	
FLUCCs Code: 64174-641-513		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 7.7135
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Hwy 663 <1/2 mi to W. Borders mine to N. Connects with large wetland on W side.					
Assessment Area Description: Herbaceous wetland dominated by Juncus surrounded by pasture on E and S side, mine on N side, and large wetland on W side.					
Significant Nearby Features: ~300 yds W of 663			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle					
Additional relevant factors:					
Assessment conducted by: SAE/LMP				Assessment date(s): 11-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 05E-14-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Borders mine on N side, hardwoods and wetland to W surrounded by pasture. Hwy 663 <300 yds W. Area Land Uses have significant adverse impacts on wildlife. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Standing water throughout wetland with minimal zonation.			
	w/o pres or current	with		
	6	0		
.500(7)(c) Community Structure	Forested with juncus and Ludwi per. Much lower/higher quantity of good structure habitat (see rule for details)			
	w/o pres or current	with		
	4	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.4667 0.0000

Delta = [with-current]:
-0.4667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	7.7134535
FL= delta x acres =	-3.5996 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 05E-22-I	
FLUCCs Code: 643		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.5661
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by flatwoods. Hwy 663 <50 yds E.					
Assessment Area Description: Herbaceous wetland dominated by Panicum hemitomon in center and Andropogon on outer edge surrounded by flatwoods.					
Significant Nearby Features: Hwy 663 <50 yds E			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cardinal, mockingbird					
Additional relevant factors:					
Assessment conducted by: SAE/LMP				Assessment date(s): 12-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 05E-22-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Surrounded by hardwoods and flatwoods, mine to N. Hwy 663 to E <50 yds. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Area Land Uses have significant adverse impacts on wildlife. Wildlife access to/from AA is partially limited by distance or barriers.			
	w/o pres or current	with		
	5	0		
.500(7)(b) Water Environment (n/a for uplands)	Deep water in center with fair zonation.			
	w/o pres or current	with		
	6	0		
.500(7)(c) Community Structure	Panic hem dominates center, andropogon and various small wetland grasses found on outer edge. Majority of plant covers is desirable plant species in all strata . Much lower/higher quantity of good structure habitat (see rule for details) Land Management Practices resulted in partial removal/alteration of natural structures, add some artificial features.			
	w/o pres or current	with		
	4	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.5000 0.0000

Delta = [with-current]:
-0.5000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.5661018
FL= delta x acres =	-0.2831 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 05E-32-I	
FLUCCs Code: 617-641-6417	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 11.4216
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by flatwoods and hardwoods. Within large forested wetland area. Cattle pasture ~200 yds S.				
Assessment Area Description: Forested wetland connected to larger forested wetland.				
Significant Nearby Features: Hwy 663 ~800yds E.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Pig				
Additional relevant factors: Some exotic species found				
Assessment conducted by: SAE/LMP			Assessment date(s): 12-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 05E-32-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Surrounded by flatwoods and hardwoods; within large natural area. Pasture ~200 yds. S divided by fence. Hwy 663 <1/2 mi to E. Connected to large forested wetland. Surrounded by moderate or varying width of native habitat within active cattle operation. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Wildlife access to/from AA is partially limited by distance or barriers. Area Land Uses have significant adverse impacts on wildlife. Discharges from AA significant to downstream areas, which could suffer substantial adverse impacts if quality/quantity were altered.			
	w/o pres or current	with		
	7	0		
.500(7)(b) Water Environment (n/a for uplands)	Connected to larger forested wetland. Deep water throughout; deeper towards center. Some duckweed on surface. Fair zonation. Very mucky soil.			
	w/o pres or current	with		
	7	0		
.500(7)(c) Community Structure	Many various wetland plants as well as Ludwi per in center and some pistia in some areas. Minimal cover by invasive/exotic plant species .			
	w/o pres or current	with		
	6	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.6667 0.0000

Delta = [with-current]:
-0.6667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	11.421603
FL= delta x acres =	-7.6144 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 05E-34-I	
FLUCCs Code: 641-617		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 3.5011
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by hardwoods and some pasture; within large natural area					
Assessment Area Description: Herbaceous wetland with deep standing water connected to a larger wetland surrounded by hardwoods and some pasture					
Significant Nearby Features: HWY 663 < 1/2 mi to E.			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Sandhill crane nesting (SSC by FFWCC), American alligator (T by FWS)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Great egret					
Additional relevant factors:					
Assessment conducted by: LMP/SAE				Assessment date(s): 12-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 05E-34-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Surrounded by flatwoods and hardwoods; within large natural area. Pasture ~100 yds. S divided by fence. Hwy 663 <1/4 mi to E. Connected to large forested wetland. Surrounded by moderate or varying width of native habitat within active cattle operation. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Wildlife access to/from AA is partially limited by distance or barriers.			
	w/o pres or current	with		
	6	0		

.500(7)(b) Water Environment (n/a for uplands)	Connected to larger forested wetland. Deep water throughout; deeper towards center. Fair zonation.			
	w/o pres or current	with		
	7	0		

.500(7)(c) Community Structure	Several wetland plants including a large amount of thalia, some duckweed, Juncus, and other wetland grasses. Pistia also found in water. Majority of plant covers is desirable plant species in all strata. Minimal cover by invasive/exotic plant species.			
	w/o pres or current	with		
	7	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.6667 0.0000

Delta = [with-current]:
-0.6667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	3.501119
FL= delta x acres =	-2.3341 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 05E-40-I	
FLUCCs Code: 617-641-6417-6415-630-513		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 22.4639
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands East side borders Hwy 663; surrounded by flatwoods and hardwoods. Cattle pasture borders NW side.					
Assessment Area Description: Forested wetland surrounded by flatwoods, hardwoods, and cattle pasture.					
Significant Nearby Features: Borders Hwy 663 and associated RR track and associated ditch, gasoline, electrical transmission			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American alligator (T by FWS). Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cow hog					
Additional relevant factors:					
Assessment conducted by: SMG/Matt Wilson				Assessment date(s): 22-Sep-2011	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 05E-40-I
Impact or Mitigation Impact	Assessment conducted by: SMG/Matt Wilson	Assessment Date: 22-Sep-2011

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Borders Hwy 663. Connects to chain of wetlands. Surrounded by hardwoods and flatwoods. Touches pasture to NW. Area Land Uses have significant adverse impacts on wildlife. Wildlife access to/from AA is partially limited by distance or barriers.			
	w/o pres or current	with		
	6	0		
.500(7)(b) Water Environment (n/a for uplands)	Connected to chain of wetlands. Deep standing water throughout. Historic wetland bisected by roadway, RR & associated deep ditch. Receives direct runoff from roadway/RR. Cattle influence on W side.			
	w/o pres or current	with		
	6	0		
.500(7)(c) Community Structure	Lack of complex structure that may be the result of grazing. Moderate degree of siltation/algal growth to impede submerged aquatic plant growth. Minimal cover by invasive/exotic plant species .			
	w/o pres or current	with		
	7	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.6333	0.0000

Delta = [with-current]:
-0.6333

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	22.463949
FL= delta x acres =	-14.2272 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

** FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.*

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 05W-38-I	
FLUCCs Code: 630-513-512		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 1.7786
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>This wetland feeds into the Lettis Creek wetland system.</p>					
<p>Assessment Area Description:</p> <p>Hardwood/conifer mixed wetland</p>					
<p>Significant Nearby Features:</p> <p>Lettis Creek</p>			<p>Uniqueness (considering the relative rarity in relation to the regional landscape.)</p> <p>None</p>		
<p>Functions:</p> <p>Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.</p>			<p>Mitigation for previous permit/other historic use:</p> <p>None</p>		
<p>Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)</p> <p>Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge</p>			<p>Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area):</p> <p>Wading birds foraging (SSC by FFWCC)</p>		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>None</p>					
<p>Additional relevant factors:</p> <p>None</p>					
<p>Assessment conducted by:</p> <p>SMG</p>				<p>Assessment date(s):</p> <p>10-Jul-2009</p>	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 05W-38-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Area Land Uses have significant adverse impacts on wildlife. Wildlife access to/from AA is partially limited by distance or barriers.			
	w/o pres or current	with		
	5	0		
.500(7)(b) Water Environment (n/a for uplands)	Cattle influence			
	w/o pres or current	with		
	6	0		
.500(7)(c) Community Structure	Minimal cover by invasive/exotic plant species . Majority of plant covers is desirable plant species in all strata .			
	w/o pres or current	with		
	7	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.6000 0.0000

Delta = [with-current]:
-0.6000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	1.7785582
FL= delta x acres =	-1.0671 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

** FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.*

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 06W-06A-I	
FLUCCs Code: 626-641-512		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 2.9126
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected to a wetland to the S, borders mine to N, surrounded by flatwoods to West and East.					
Assessment Area Description: Ditched wetland with pine trees					
Significant Nearby Features: Lettis Creek			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) None					
Additional relevant factors:					
Assessment conducted by: SAE/LMP				Assessment date(s): 04-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 06W-06A-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Connected to wetland to S. Borders mine on N. surrounded by flatwoods on E and W. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA.			
	w/o pres or current	with		
	7	0		
.500(7)(b) Water Environment (n/a for uplands)	Cattle influence. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	6	0		
.500(7)(c) Community Structure	Andropogon, P. hemitomon, Pluchea, large and small pines. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Land Management Practices resulted in partial removal/alteration of natural structures, add some artificial features. Majority of plant covers is desirable plant species in all strata. Slightly lower/higher quantity of good structural habitat (see rule for details). Topo features slightly less optimal.			
	w/o pres or current	with		
	6	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.6333	0.0000

Delta = [with-current]:
-0.6333

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	2.9125947
FL= delta x acres =	-1.8446 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 06W-14-I	
FLUCCs Code: 641-626-643-617	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 7.4843
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by flatwoods and hardwoods. ~100 yards South of mine. Connected to a chain of wetlands.				
Assessment Area Description: Connected herbaceous wetland surrounded by flatwoods and hardwoods.				
Significant Nearby Features: Lettis Creek		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Great egret, woodstork, cricket frog, red shouldered hawk, hog				
Additional relevant factors:				
Assessment conducted by: SMG/Matt Wilson			Assessment date(s): 23-Sep-2011	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 06W-14-I
Impact or Mitigation Impact	Assessment conducted by: SMG/Matt Wilson	Assessment Date: 23-Sep-2011

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Mine to N. Surrounded by flatwoods. Hydrologically connected. Area Land Uses have significant adverse impacts on wildlife. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Excellent zonation. Deep standing water throughout getting deeper towards center. The watershed of this wetland has been reduced to the north. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	7	0		
.500(7)(c) Community Structure	Sphagnum. Pontederia found in deeper areas. Minimal amount of algae but heavy in some small areas. Equisetum Spp. (horsetail). Grazing and lack of land maintenance have diminished community structure. Majority of plant covers is desirable plant species in all strata . Evidence of near normal regeneration/recruitment. Slightly lower/higher quantity of good structural habitat (see rule for details). Topo features slightly less optimal. Minor degree of siltation/algal growth to impede submerged aquatic plant growth.			
	w/o pres or current	with		
	7	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.6000	0.0000

Delta = [with-current]:
-0.6000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	7.4842984
FL= delta x acres =	-4.4906 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 06W-18-I	
FLUCCs Code: 617-513	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.1957
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected to forested wetland to the S and herbaceous wetland to the N surrounded by flatwoods/mine approximately 100 yds to the N				
Assessment Area Description: Ditched wetland connecting 2 wetlands				
Significant Nearby Features: Lettis Creek		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) None				
Additional relevant factors: None				
Assessment conducted by: SMG			Assessment date(s): 10-Jul-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 06W-18-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	connects to wetlands to the N and S mine to the N Wildlife access to/from AA is partially limited by distance or barriers. Area Land Uses have significant adverse impacts on wildlife. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I.			
	w/o pres or current	with		
	5	0		
.500(7)(b) Water Environment (n/a for uplands)	Turbid in some areas, mine to the N. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	7	0		
.500(7)(c) Community Structure	Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure.			
	w/o pres or current	with		
	7	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.6333	0.0000

Delta = [with-current]:
-0.6333

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.195664
FL= delta x acres =	-0.1239 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 06W-20-I	
FLUCCs Code: 630-513-641-617	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.6268
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Connected to numerous wetlands; streams flow into the ditches in this wetland from other wetlands (one NW and one central E side). ~400 yds S of mine.</p>				
<p>Assessment Area Description:</p> <p>Very large herbaceous wetland. A ditch runs through the center of the length of the wetland; three other ditches within the wetland. Many micro wetlands within this larger wetland as well as a cattle pond. Trees scattered throughout.</p>				
Significant Nearby Features: Lettis Creek ~200 yds W of SW corner of wetland		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC), Sandhill crane (SSC by FFWCC), American alligator (T by FWS)		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>Armadillo, deer, turkeys, cattle egrets, cattle, hog, mocking birds, great egret, killdeer</p>				
<p>Additional relevant factors:</p> <p>Many micro habitats throughout wetland. There are many small wetlands within this large wetland. Most are different from each other. Cattle pond also found in wetland.</p>				
Assessment conducted by: SAE/LMP			Assessment date(s): 10-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 06W-20-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	400 yds S of mine. Lettuce creek ~200 W. Surrounded by hardwoods and flatwoods. Connected to lots of wetlands. Surrounded by moderate or varying width of native habitat within active cattle operation. Area Land Uses have significant adverse impacts on wildlife. Habitat outside AA provide full range of habitats needed to support all wildlife in Pt. I. Wildlife access to/from AA is partially limited by distance or barriers. Discharges from AA significant to downstream areas, which could suffer substantial adverse impacts if quality/quantity were altered.			
	w/o pres or current	with		
	8	0		
.500(7)(b) Water Environment (n/a for uplands)	Large ditch runs through center the length of the wetland. Three other ditches flow into wetland. Regional ditching has lowered the water environment site-wide, and land mgmt activities have altered natural sheet flow in the area. Water levels and flow moderately higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	4	0		
.500(7)(c) Community Structure	Cattle pond, Sawgrass. Spoils on E and W with Eupatorium. Juncus, algae, Limnobium spongia. Ditch in middle dominated by Polygonum and Iris and Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Majority of plant covers is desirable plant species in all strata. Age/size distribution typical, may show temporary deviations. Land Management Practices resulted in partial removal/alteration of natural structures, add some artificial features.			
	w/o pres or current	with		
	5	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.5667 0.0000

Delta = [with-current]:
-0.5667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.6268043
FL= delta x acres =	-0.3552 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 06W-26-I	
FLUCCs Code: 630-512-513		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.8468
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by hardwoods, other wetlands nearby, connects two wetlands on E and W side. ~400 yds S of mine					
Assessment Area Description: Forested floodplain wetland surrounded by hardwoods. Connects two large wetlands together on East and West side and ultimately discharges to Lettis Creek.					
Significant Nearby Features: Lettis Creek to W			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle, hog, hawk, barred owl					
Additional relevant factors:					
Assessment conducted by: LMP/SAE				Assessment date(s): 04-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 06W-26-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Connects wetlands together. Surrounded by moderate or varying width of native habitat within active cattle operation. Area Land Uses have minimal adverse impacts on wildlife. Habitat outside AA provide full range of habitats needed to support all wildlife in Pt. I. Discharges from AA significant to downstream areas, which could suffer substantial adverse impacts if quality/quantity were altered. Wildlife access to/from AA is not limited by distance or barriers.			
	w/o pres or current	with		
	8	0		
.500(7)(b) Water Environment (n/a for uplands)	No flow at TOS, some erosion due to cattle influence. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen. Water levels and flow slightly higher/lower than appropriate considering natural variation. Soil drier than appropriate, erosion/deposition patters indicate minor alterations.			
	w/o pres or current	with		
	6	0		
.500(7)(c) Community Structure	Forested stream with pines, oaks, palmettos, palms, some wetland grasses, juncus, iris, Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Strong evidence of normal regeneration/recruitment. Majority of plant covers is desirable plant species in all strata. Minimal cover by invasive/exotic plant species. Age/size distribution typical. Optimal structural habitat. Land Management Practices resulted in partial removal/alteration of natural structures, add some artificial features. Minor degree of siltation/algal growth to impede submerged aquatic plant growth.			
	w/o pres or current	with		
	8	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.7333 0.0000

Delta = [with-current]:
-0.7333

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.8467837
FL= delta x acres =	-0.6210 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 06W-28-I	
FLUCCs Code: 641-630-617-626-513	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 18.0983
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Flatwoods to North, hardwoods to South. Connected to a chain of wetlands. ~400 yds S of mine				
Assessment Area Description: Herbaceous wetland with a diversity of plants surrounded by flatwoods and hardwoods.				
Significant Nearby Features: Lettis Creek		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Red shouldered Hawk, barred owl				
Additional relevant factors:				
Assessment conducted by: SAE/LMP			Assessment date(s): 04-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 06W-28-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Connected to a chain of wetlands. Surrounded by hardwoods and flatwoods. Surrounded by moderate or varying width of native habitat within active cattle operation. Area Land Uses have minimal adverse impacts on wildlife. Habitat outside AA provide full range of habitats needed to support all wildlife in Pt. I. Wildlife access to/from AA is partially limited by distance or barriers.			
	w/o pres or current	with		
	8	0		
.500(7)(b) Water Environment (n/a for uplands)	Deep water in center. Ditch flows out on SW. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	6	0		
.500(7)(c) Community Structure	Panicum, iris, maidencane, Pontederia, polygonum, juncus, sawgrass towards center, pines and palms. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Majority of plant covers is desirable plant species in all strata. Slightly lower/higher quantity of good structural habitat (see rule for details). Topo features slightly less optimal.			
	w/o pres or current	with		
	7	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.7000 0.0000

Delta = [with-current]:
-0.7000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	18.098255
FL= delta x acres =	-12.6688 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 06W-34-I	
FLUCCs Code: 626-513		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.5336
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected to wetlands, surrounded by hardwoods. ~400 yds S of mine.</p>					
<p>Assessment Area Description: Ditched wetland connecting wetlands on E and W side.</p>					
Significant Nearby Features: Connects to large preservation/enhancement area.			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Heavy hog damage, deer, cattle</p>					
Additional relevant factors:					
Assessment conducted by: LMP/SAE				Assessment date(s): 10-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 06W-34-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Ditch connecting wetlands together surrounded by hardwoods and flatwoods. Surrounded by moderate or varying width of native habitat within active cattle operation. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Wildlife access to/from AA is partially limited by distance or barriers.			
	w/o pres or current	with		
	7	0		
.500(7)(b) Water Environment (n/a for uplands)	Ditch connects two wetlands. Hydrologic stress: looks like it has been dry for some time. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Vegetation shows strong signs of hydrologic stress.			
	w/o pres or current	with		
	4	0		
.500(7)(c) Community Structure	Pine trees on banks, palmettos. Some Woodw vir on E side of ditch. Some Polygonum. Good age/size and recruitment. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Majority of plant covers is desirable plant species in all strata. Age/size distribution typical, may show temporary deviations. Evidence of near normal regeneration/recruitment. Slightly lower/higher quantity of good structural habitat (see rule for details). Topo features slightly less optimal.			
	w/o pres or current	with		
	7	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.6000 0.0000

Delta = [with-current]:
-0.6000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.5335623
FL= delta x acres =	-0.3201 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 06W-36-I	
FLUCCs Code: 626-643-513		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 5.0365
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected to wetland on W side. Surrounded by Hardwoods and flatwoods. Mine ~400 yds N</p>					
<p>Assessment Area Description: Herbaceous wetland with many scattered pines throughout surrounded by flatwoods and hardwoods.</p>					
<p>Significant Nearby Features: Connects to large preservation/enhancement area.</p>			<p>Uniqueness (considering the relative rarity in relation to the regional landscape.) None</p>		
<p>Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.</p>			<p>Mitigation for previous permit/other historic use: None</p>		
<p>Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge</p>			<p>Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)</p>		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) None</p>					
<p>Additional relevant factors:</p>					
<p>Assessment conducted by: SAE/LMP</p>				<p>Assessment date(s): 10-Feb-2005</p>	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 06W-36-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10) Condition is optimal and fully supports wetland/surface water functions	Moderate (7) Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal (4) Minimal level of support of wetland/surface water functions	Not Present (0) Condition is insufficient to provide wetland/surface water functions
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.500(7)(a) Location and Landscape Support	Surrounded by flatwoods and hardwoods. Connected to wetlands Surrounded by moderate or varying width of native habitat within active cattle operation. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Wildlife access to/from AA is partially limited by distance or barriers.			
	w/o pres or current	with		
	7	0		
.500(7)(b) Water Environment (n/a for uplands)	Cattle and pig influence. Some plants indicate hydrologic stress. Burn scars on trees.Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen. Vegetation shows some signs of hydrologic stress.			
	w/o pres or current	with		
	7	0		
.500(7)(c) Community Structure	Xyris, Andropogon, large and small pines, wax myrtle, Pluchea, oaks, Eupatorium, Hypericum. Panic hem and Juncus in center. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Much lower/higher quantity of good structure habitat (see rule for details) Strong evidence of normal regeneration/recruitment. Age/size distribution typical. Reduction in extent of topo features.			
	w/o pres or current	with		
	6	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.6667 0.0000

Delta = [with-current]:
-0.6667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	5.0364712
FL= delta x acres =	-3.3576 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 06W-38-I	
FLUCCs Code: 643-626-641	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 1.8366
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Hydrologically isolated but deemed jurisdictional in the 2012 USACE Jurisdictional Verification. Hardwoods to S and Flatwoods to N. ~450 yards South of mine.</p>				
<p>Assessment Area Description:</p> <p>This is a 1.83-acre herbaceous wetland.</p>				
Significant Nearby Features: None		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Pig, cattle				
Additional relevant factors:				
Assessment conducted by: SAE/LMP			Assessment date(s): 10-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 06W-38-I
Impact or Mitigation Impact	Assessment conducted by: sae/lmp/smg	Assessment Date: 10-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Hardwoods to the S and flatwoods to the N. ~450 yards S of mine. Surrounded by moderate or varying width of native habitat within active cattle operation. Area Land Uses have minimal adverse impacts on wildlife. Habitat outside AA provide full range of habitats needed to support all wildlife in Pt. I.			
	w/o pres or current	with		
	8	0		
.500(7)(b) Water Environment (n/a for uplands)	Good zonation. Areas of open water in the center. Cattle and pig influence. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen. Vegetation or benthic community zonation in some strata inappropriate for TOS.			
	w/o pres or current	with		
	6	0		
.500(7)(c) Community Structure	Some algae. Andropogon, Hypericum, Panic hem. Area of Juncus mixed with Panicum in the center. Xyris throughout. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Majority of plant covers is desirable plant species in all strata. Reduction in extent of topo features. Slightly lower/higher quantity of good structural habitat (see rule for details). Minor degree of siltation/algal growth to impede submerged aquatic plant growth.			
	w/o pres or current	with		
	6	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.6667 0.0000

Delta = [with-current]:
-0.6667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	1.8366046
FL= delta x acres =	-1.2244 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 06W-44-I	
FLUCCs Code: 641-630-617-513	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 7.0777
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Connected to a chain of wetlands. Stream flows in from E and another flows out to another wetland from SW corner. Mine <0.5 mi N. Surrounded by hardwoods.</p>				
<p>Assessment Area Description:</p> <p>Deep herbaceous wetland with a ditch and trees through the center surrounded by hardwoods.</p>				
Significant Nearby Features: Connects downstream to large preservation/enhancement area.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>Pileated woodpecker, red shouldered hawk, ducks, hog, cattle, frog, fish</p>				
Additional relevant factors:				
Assessment conducted by: SAE/LMP			Assessment date(s): 10-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 06W-44-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Connected to a chain of wetlands. Steams flowing in on E and another flowing out on W to another wetland. Surrounded by moderate or varying width of native habitat within active cattle operation. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Area Land Uses have minimal adverse impacts on wildlife. Wildlife access to/from AA is partially limited by distance or barriers.			
	w/o pres or current	with		
8	0			
.500(7)(b) Water Environment (n/a for uplands)	Pig and cattle influence. Very silty in center.No zonation. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
5	0			
.500(7)(c) Community Structure	Lots of Cladium, heavy Azolla in center, lots of dead Thalia in center, algae, oaks throughout, P. hemitomom, Salix, Hypericum, lots of Sagittaria, lot Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Minimal cover by invasive/exotic plant species . Majority of plant covers is desirable plant species in all strata . Topo features present and normal. Minor degree of siltation/algal growth to impede submerged aquatic plant growth. Optimal structural habitat. Evidence of near normal regeneration/recruitment.			
	w/o pres or current	with		
8	0			

Score = sum of above scores/30 (if uplands, divide by 20)		
0.7000		0.0000

Delta = [with-current]:
-0.7000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	7.0776722
FL= delta x acres =	-4.9544 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 06W-46-I	
FLUCCs Code: 617-513-630	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 1.5915
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Stream flows through in E area. Mine <0.5 mi N. connected to two wetlands. Surrounded by hardwoods.				
Assessment Area Description: Narrow forested wetland connecting to two wetlands and a chain of wetlands together.				
Significant Nearby Features: Connects downstream to large preservation/enhancement area.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Armadillo, small crayfish, small unidentified frog, fish ~2" long, woodpecker, racoons,				
Additional relevant factors: Stream looks like it may have been channelized in past due to straightness				
Assessment conducted by: LMP/SAE			Assessment date(s): 10-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 06W-46-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Connected to a chain of wetlands, Small amount of cogon grass S area of stream and some EUrena lob. Surrounded by hardwoods. Surrounded by moderate or varying width of native habitat within active cattle operation. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Wildlife access to/from AA is partially limited by distance or barriers. Area Land Uses have minimal adverse impacts on wildlife.			
	w/o pres or current	with		
	7	0		
.500(7)(b) Water Environment (n/a for uplands)	Siltation in middle. Banks eroded in areas from cow crossing. Water clear.Heavy pig influence in some areas. Oil sheen. Ditching has lowered the water environment site-wide, and land mgmt activities have altered natural sheet flow in the area. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	6	0		
.500(7)(c) Community Structure	Small patches of Iris, Laurel oaks, water oaks, pines, palmettos, palms along banks. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Majority of plant covers is desirable plant species in all strata. Minimal cover by invasive/exotic plant species. Evidence of near normal regeneration/recruitment. Age/size distribution typical, may show temporary deviations. Slightly lower/higher quantity of good structural habitat (see rule for details). Land Management Practices resulted in partial removal/alteration of natural structures, add some artificial features. No evidence of siltation/algal growth to impede submerged aquatic plant growth.			
	w/o pres or current	with		
	7	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.6667 0.0000

Delta = [with-current]:
-0.6667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	1.5914812
FL= delta x acres =	-1.0610 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 06W-54-I	
FLUCCs Code: 630-617-513		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.4513
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Part of a chain of wetlands surrounded by hardwoods. Mine ~1/2 mi N</p>					
<p>Assessment Area Description:</p> <p>Forested floodplain wetland surrounded by hardwoods. Connects two large wetlands together on East and West side and ultimately discharges to Lettis Creek.</p>					
<p>Significant Nearby Features:</p> <p>Lettis Creek to W</p>			<p>Uniqueness (considering the relative rarity in relation to the regional landscape.)</p> <p>None</p>		
<p>Functions:</p> <p>Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.</p>			<p>Mitigation for previous permit/other historic use:</p> <p>None</p>		
<p>Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)</p> <p>Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge</p>			<p>Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area):</p> <p>Wading birds foraging (SSC by FFWCC)</p>		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>Pig, cattle</p>					
<p>Additional relevant factors:</p>					
<p>Assessment conducted by:</p> <p>SAE/LMP</p>				<p>Assessment date(s):</p> <p>04-Feb-2005</p>	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 06W-54-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Part of a chain of wetlands. Surrounded by moderate or varying width of native habitat within active cattle operation. Surrounded by moderate or varying width of native habitat within active cattle operation. Area Land Uses have minimal adverse impacts on wildlife. Habitat outside AA provide full range of habitats needed to support all wildlife in Pt. I.			
	w/o pres or current	with		
	8	0		
.500(7)(b) Water Environment (n/a for uplands)	Pig and cattle influence. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen. Soil drier than appropriate, erosion/deposition patters indicate minor alterations.			
	w/o pres or current	with		
	5	0		
.500(7)(c) Community Structure	palmettos, oaks, pines on banks. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Age/size distribution typical, may show temporary deviations. Majority of plant covers is desirable plant species in all strata . Minimal evidence of regeneration/recruitment. Topo features present and normal. Slightly lower/higher quantity of good structural habitat (see rule for details). Land Management Practices resulted in partial removal/alteration of natural structures, add some artificial features.			
	w/o pres or current	with		
	7	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.6667	0.0000

Delta = [with-current]:
-0.6667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.4512885
FL= delta x acres =	-0.3009 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 06W-56B-I	
FLUCCs Code: 630-513-617		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 2.7912
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by hardwoods, connects two wetlands together.					
Assessment Area Description: Part of an in-line wetland system that feeds ultimately to Lettis Creek.					
Significant Nearby Features: Connects downstream to large preservation/enhancement area.			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Fish, cattle, hog					
Additional relevant factors: Stream looks like it may have been channelized in past due to straightness					
Assessment conducted by: LMP/SAE				Assessment date(s): 10-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 06W-56B-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Surrounded by hardwoods, connecting two wetlands. Surrounded by moderate or varying width of native habitat within active cattle operation. Surrounded by moderate or varying width of native habitat within active cattle operation. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Wildlife access to/from AA is partially limited by distance or barriers. Area Land Uses have minimal adverse impacts on wildlife.			
	w/o pres or current	with		
	8	0		
.500(7)(b) Water Environment (n/a for uplands)	Water somewhat turbid. Deep standing water throughout. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	5	0		
.500(7)(c) Community Structure	Polygonum, Ceratophyllum demersum, Laurel oak, saw palmetto, palms, Patches of Iris, Juncus along banks. Fallen trees in stream. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Majority of plant covers is desirable plant species in all strata. Evidence of near normal regeneration/recruitment. Age/size distribution typical, may show temporary deviations. Slightly lower/higher quantity of good structural habitat (see rule for details). Topo features slightly less optimal.			
	w/o pres or current	with		
	7	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.6667	0.0000

Delta = [with-current]:
-0.6667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	2.7911592
FL= delta x acres =	-1.8608 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 06W-56-I	
FLUCCs Code: 641-630-513	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 9.9324
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Ditch runs through center from wetland in NE to another wetland SW. Mine ~0.5 mi N. Surrounded by hardwoods. Part of a chain of wetlands				
Assessment Area Description: Herbaceous wetland with some trees in center surrounded by hardwoods and connected to a chain of wetlands.				
Significant Nearby Features: Connects downstream to large preservation/enhancement area.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Pig, cattle, fish, frog				
Additional relevant factors: 				
Assessment conducted by: LMP/SAE			Assessment date(s): 10-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 06W-56-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Part of a chain of wetlands surrounded by hardwoods. Surrounded by moderate or varying width of native habitat within active cattle operation. Surrounded by moderate or varying width of native habitat within active cattle operation. Area Land Uses have minimal adverse impacts on wildlife. Habitat outside AA provide full range of habitats needed to support all wildlife in Pt. I.			
	w/o pres or current	with		
	8	0		
.500(7)(b) Water Environment (n/a for uplands)	Ditch through center connects a chain of wetlands. Water clear. Burn scars on trees, Evidence of high nutrient levels. Regional ditching has lowered water environment site-wide, and land mgmt activities have altered natural sheet flow in the area. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	5	0		
.500(7)(c) Community Structure	Lots of Ludwi repens, some Azolla in ditch, large patch of Cladium @ NE corner and SW all along N side, minimal algae, some salix, minute amount of pistia in dit. Grazing and lack of land maintenance have diminished community structure. Majority of plant covers is desirable plant species in all strata. Minimal cover by invasive/exotic plant species. Evidence of near normal regeneration/recruitment. Age/size distribution typical, may show temporary deviations. Slightly lower/higher quantity of good structural habitat (see rule for details). Topo features slightly less optimal. Land Management Practices resulted in partial removal/alteration of natural structures, add some artificial features. Minor degree of siltation/algal growth to impede submerged aquatic plant growth. UMAA - plant community provide high but less than optimal level of habitat and life history support for fish & wildlife.			
	w/o pres or current	with		
	7	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.6667 0.0000

Delta = [with-current]:
-0.6667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	9.9323763
FL= delta x acres =	-6.6216 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 06W-58-I	
FLUCCs Code: 641-626-643	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 15.0480
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected to other wetlands surrounded by hardwoods and flatwoods. Mine ~1/2 mi N				
Assessment Area Description: Herbaceous wetland surrounded by hardwoods and flatwoods.				
Significant Nearby Features: Lettis Creek to West and agricultural road to the South.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) None				
Additional relevant factors:				
Assessment conducted by: SMG/Matt Wilson			Assessment date(s): 22-Sep-2011	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 06W-58-I
Impact or Mitigation Impact	Assessment conducted by: SMG/Matt Wilson	Assessment Date: 22-Sep-2011

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Connected to other wetlands, surrounded by hardwoods and flatwoods. Mine <1/2 mi N. Surrounded by moderate or varying width of native habitat within active cattle operation. Area Land Uses have minimal adverse impacts on wildlife. Habitat outside AA provide full range of habitats needed to support all wildlife in Pt. I.			
	w/o pres or current	with		
	8	0		
.500(7)(b) Water Environment (n/a for uplands)	Some algae. Pig influence. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	6	0		
.500(7)(c) Community Structure	Spartina, P. hemitomom, Pontederia, xyris. Some andropogon. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Reduction in extent of topo features. Much lower/higher quantity of good structure habitat (see rule for details) Moderate degree of siltation/algal growth to impede submerged aquatic plant growth. Majority of plant covers is desirable plant species in all strata .			
	w/o pres or current	with		
	5	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.6333	0.0000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

For impact assessment areas	
Area Size (ac) =	15.047994
FL= delta x acres =	-9.5304 *

Delta = [with-current]:
-0.6333

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 06W-74-I	
FLUCCs Code: 641-626	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 3.9834
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Surrounded by flatwoods and hardwoods. Connected to a larger wetland within a large natural area. Pasture <25 yds S separated by fence.</p>				
<p>Assessment Area Description:</p> <p>Herbaceous connecting wetland surrounded by flatwoods and hardwoods.</p>				
Significant Nearby Features: Lettis Creek <1 mi W.; Hwy. 663 corridor <1-mile E.		<p>Uniqueness (considering the relative rarity in relation to the regional landscape.)</p> <p>None</p>		
<p>Functions:</p> <p>Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.</p>		<p>Mitigation for previous permit/other historic use:</p> <p>None</p>		
<p>Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)</p> <p>Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge</p>		<p>Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area):</p> <p>Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)</p>		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>Green frog, hog</p>				
<p>Additional relevant factors:</p>				
<p>Assessment conducted by:</p> <p>SMG/Matt Wilson</p>			<p>Assessment date(s):</p> <p>22-Sep-2011</p>	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 06W-74-I
Impact or Mitigation Impact	Assessment conducted by: SMG/Matt Wilson	Assessment Date: 22-Sep-2011

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	S tip touches pasture, seperated by fence. Surrounded by flatwoods and hardwoods. Connected to wetlands within a large natural area. Surrounded by moderate or varying width of native habitat within active cattle operation. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Wildlife access to/from AA is partially limited by distance or barriers. Area Land Uses have minimal adverse impacts on wildlife.			
	w/o pres or current	with		
	8	0		
.500(7)(b) Water Environment (n/a for uplands)	Fair zonation. Some patches of open water. Some algae. Regional ditching/land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Ditch along entire road likely affects hydroperiod and re-routes surface flow. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	6	0		
.500(7)(c) Community Structure	Juncus, pontederia, maiden cane, spartina, some wax myrtles, sphagnum, Xyris, Small patch of Ludwi per. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Majority of plant covers is desirable plant species in all strata . Much lower/higher quantity of good structure habitat (see rule for details) Topo features slightly less optimal. Minor degree of siltation/algal growth to impede submerged aquatic plant growth.			
	w/o pres or current	with		
	6	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.6667	0.0000

Delta = [with-current]:
-0.6667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	3.9834399
FL= delta x acres =	-2.6556 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 06W-80-I	
FLUCCs Code: 643-641		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 2.0596
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Hydrologically isolated but deemed jurisdictional in the 2012 USACE Jurisdictional Verification. Surrounded by hardwoods and flatwoods. Large ditched wetland to West, within a large natural area.</p>					
<p>Assessment Area Description:</p> <p>This is a 2.06-acre herbaceous wetland surrounded by hardwoods and flatwoods.</p>					
<p>Significant Nearby Features:</p> <p>Lettis Creek <1/2 mi W; large ditch ~100' N. Roadside ditch ~100' S.</p>			<p>Uniqueness (considering the relative rarity in relation to the regional landscape.)</p> <p>None</p>		
<p>Functions:</p> <p>Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.</p>			<p>Mitigation for previous permit/other historic use:</p> <p>None</p>		
<p>Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)</p> <p>Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge</p>			<p>Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area):</p> <p>Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)</p>		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>Sandhill crane</p>					
<p>Additional relevant factors:</p>					
<p>Assessment conducted by:</p> <p>SMG/Matt Wilson</p>				<p>Assessment date(s):</p> <p>22-Sep-2011</p>	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 06W-80-I
Impact or Mitigation Impact	Assessment conducted by: SMG/Matt Wilson	Assessment Date: 22-Sep-2011

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Surrounded by hardwoods and flatwoods; within a large natural area. Surrounded by moderate or varying width of native habitat within active cattle operation. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Wildlife access to/from AA is partially limited by distance or barriers. Area Land Uses have minimal adverse impacts on wildlife.			
	w/o pres or current	with		
	8	0		
.500(7)(b) Water Environment (n/a for uplands)	Pig and cattle influence, Large deep center. Regional ditching/land mgmt activities have altered natural sheet flow in the area. Deep ditch to W and roadside ditch to S have deprived this area some depth/duration of natural hydroperiod. Grazing evident. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	4	0		
.500(7)(c) Community Structure	Andropogon, Xyris, Pontederia, patches of P. hemitomom in center. Grazing and lack of land maintenance have diminished community structure. Very active grazing area; pig damage along entire edge. Some encroachment by transitional cattle-tolerant species. Slightly lower/higher quantity of good structural habitat (see rule for details). Reduction in extent of topo features. Majority of plant covers is desirable plant species in all strata . Minor degree of siltation/algal growth to impede submerged aquatic plant growth.			
	w/o pres or current	with		
	6	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.6000 0.0000

Delta = [with-current]:
-0.6000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	2.0595853
FL= delta x acres =	-1.2358 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 06W-82-I	
FLUCCs Code: 643-641		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 1.9493
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Surrounded by flatwoods and hardwoods, cattle pasture <150 yards East, on edge of large natural area. Adjacent roadside ditch. Hydrologically isolated but deemed jurisdictional in the 2012 USACE Jurisdictional Verification.</p>					
<p>Assessment Area Description:</p> <p>This is a 1.95-acre herbaceous wetland surrounded by flatwoods and hardwoods.</p>					
Significant Nearby Features: Lettis Creek 1/2 mi W			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>Deer, fish, frogs, hog, raccoon, unidentified bird track</p>					
<p>Additional relevant factors:</p> <p>Heavy pig damage around SW side</p>					
Assessment conducted by: SMG/Matt Wilson				Assessment date(s): 22-Sep-2011	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 06W-82-I
Impact or Mitigation Impact	Assessment conducted by: SMG/Matt Wilson	Assessment Date: 22-Sep-2011

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	pasture <150 yds E. Surrounded by flatwoods and hardwoods. On edge of large natural area. Lettuce creek ditch <250 yds SW. Surrounded by moderate or varying width of native habitat within active cattle operation. Wildlife access to/from AA is partially limited by distance or barriers.			
	w/o pres or current	with		
	7	0		
.500(7)(b) Water Environment (n/a for uplands)	Turbid water. Pig and cattle influence, lots of pig damage. High nutrient levels evident. Regional ditching/land mgmt activities have altered natural sheet flow in the area. Roadside ditch has reduced surface flow from N to this wetland. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	4	0		
.500(7)(c) Community Structure	Andropogon, Pluchea, Xyris, P. hemitomen, Limnobiium spongia, Hypericum, algae, Sagittaria, pipewort, few patches of spartina, sphagnum moss. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Evidence of near normal regeneration/recruitment. Majority of plant covers is desirable plant species in all strata. Reduction in extent of topo features. Much lower/higher quantity of good structure habitat (see rule for details)			
	w/o pres or current	with		
	6	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.5667	0.0000

Delta = [with-current]:
-0.5667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	1.9492652
FL= delta x acres =	-1.1046 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 07W-04-I	
FLUCCs Code: 643-641		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 1.7456
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Hydrologically isolated but deemed jurisdictional in the 2012 USACE Jurisdictional Verification. Cattle pond <100 yards West. Surrounded by a small patch of flatwoods with pasture <100 yards South.</p>					
<p>Assessment Area Description:</p> <p>Herbaceous wetland with Spartina, Andropogon, Hypericum, Panicum hemitomom and Pontederia.</p>					
Significant Nearby Features: Lettis Creek about 250 yards West.			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle, hog, cricket frog					
Additional relevant factors:					
Assessment conducted by: SMG/Matt Wilson				Assessment date(s): 22-Sep-2011	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 07W-04-I
Impact or Mitigation Impact	Assessment conducted by: SMG/Matt Wilson	Assessment Date: 22-Sep-2011

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10) Condition is optimal and fully supports wetland/surface water functions	Moderate (7) Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal (4) Minimal level of support of wetland/surface water functions	Not Present (0) Condition is insufficient to provide wetland/surface water functions
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.500(7)(a) Location and Landscape Support	Surrounded by low intensity agriculture and/or pasture. Little native available outside AA. Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have significant adverse impacts on wildlife. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Cattle influence. Soggy soil with patches of standing water. Deep water center. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Vegetation or benthic community zonation in most strata inappropriate for TOS. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	4	0		
.500(7)(c) Community Structure	Spartina, Andropogon and Hypericum along border. Large inner ring of Panic hem. Pontaderia in the center. Some Cyperus throughout. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Much lower/higher quantity of good structure habitat (see rule for details) Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species .			
	w/o pres or current	with		
	5	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.4333 0.0000

Delta = [with-current]:
-0.4333

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	1.7456469
FL= delta x acres =	-0.7564 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 07W-10-I	
FLUCCs Code: 641-6415-513		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 4.3419
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected to another wetland on the SE. Completely surrounded by pasture.					
Assessment Area Description: Herbaceous wetland with a ditch flowing out at Southern point to other wetlands. Deep open water center.					
Significant Nearby Features: Lettis Creek ~150 ft West.			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cricket frog, small birds, sandhill crane					
Additional relevant factors:					
Assessment conducted by: LMP/SAE				Assessment date(s): 26-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 07W-10-I
Impact or Mitigation Impact	Assessment conducted by: SMG/Matt Wilson	Assessment Date: 22-Sep-2011

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Lettuce Creek about 150 ft W. Surrounded by pasture. Surrounded by low intensity agriculture and/or pasture. Little native available outside AA. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have severe adverse impacts on wildlife. Area Land Uses have significant adverse impacts on wildlife.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Deep open standing water in center. Good zonation. Cattle influence. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen. Much of the plant community composition is characterized by species tolerant of and associated with moderate water quality degradation/alterations in inundation/saturation (freq, depth, duration). Vegetation or benthic community zonation in some strata inappropriate for TOS.			
	w/o pres or current	with		
	5	0		
.500(7)(c) Community Structure	Cyperus, Spartina and Juncus in outer zone; Pontaderia and Panic hem in inner zone. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Majority of plant covers is desirable plant species in all strata. Land Management Practices resulted in partial removal/alteration of natural structures, add some artificial features. Moderate degree of siltation/algal growth to impede submerged aquatic plant growth.			
	w/o pres or current	with		
	5	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.4667	0.0000

Delta = [with-current]:
-0.4667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	4.3418825
FL= delta x acres =	-2.0262 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 07W-14-I	
FLUCCs Code: 617-643	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.9169
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>This is a ditch floodplain system that drains a large marsh and starves Lettis Creek of water; surrounded by hardwoods and flatwoods to the East and pasture to the West.</p>				
<p>Assessment Area Description:</p> <p>Palmettos and oaks dominate the banks. Lots of wetland grasses are within the stream.</p>				
Significant Nearby Features: Lettis Creek		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Fish, cattle				
Additional relevant factors:				
Assessment conducted by: SAE/LMP			Assessment date(s): 25-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 07W-14-I
Impact or Mitigation Impact	Assessment conducted by: sae/Imp	Assessment Date: 25-Jan-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Surrounded by low intensity agriculture and/or pasture. Little native available outside AA. Discharges from AA significant to downstream areas, which could suffer substantial adverse impacts if quality/quantity were altered. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Area Land Uses have significant adverse impacts on wildlife. Wildlife access to/from AA is partially limited by distance or barriers.			
	w/o pres or current	with		
	6	0		
.500(7)(b) Water Environment (n/a for uplands)	Minor oil sheen in some areas. Banks steep in some areas. Erosion from cattle influence. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen. Soil deviated from appropriate, erosion/deposition patterns atypical/indicate alterations.			
	w/o pres or current	with		
	6	0		
.500(7)(c) Community Structure	Palmettos, pines and oaks are dominant along the banks. Lots of wetland grasses and much Iris within the stream. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Majority of plant covers is desirable plant species in all strata. Age/size distribution typical, may show temporary deviations. Moderate degree of siltation/algal growth to impede submerged aquatic plant growth.			
	w/o pres or current	with		
	7	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.6333 0.0000

Delta = [with-current]:
-0.6333

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.9168935
FL= delta x acres =	-0.5807 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 07W-16-I	
FLUCCs Code: 643-641-617		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 1.5263
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected to ditch on West. Surrounded by hardwoods to the South and flatwoods to the North.					
Assessment Area Description: Herbaceous wetland with patch towards center with oaks and palmettos.					
Significant Nearby Features: Lettis Creek about 600 yards West			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle, hog					
Additional relevant factors:					
Assessment conducted by: SAE/LMP				Assessment date(s): 25-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 07W-16-I
Impact or Mitigation Impact	Assessment conducted by: sae/lmp	Assessment Date: 25-Jan-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Surrounded by low intensity agriculture and/or pasture. Little native available outside AA. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Wildlife access to/from AA is partially limited by distance or barriers. Discharges from AA significant to downstream areas, which could suffer substantial adverse impacts if quality/quantity were altered. Area Land Uses have minimal adverse impacts on wildlife.			
	w/o pres or current	with		
	6	0		
.500(7)(b) Water Environment (n/a for uplands)	Cattle and pig influence. Fair zonation. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	7	0		
.500(7)(c) Community Structure	Andropogon surrounds very large area of maidencane. Proserpinaca and Hyper fas were also found throughout. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Majority of plant covers is desirable plant species in all strata . Slightly lower/higher quantity of good structural habitat (see rule for details). Evidence of near normal regeneration/recruitment.			
	w/o pres or current	with		
	7	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.6667	0.0000

Delta = [with-current]:
-0.6667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	1.5263275
FL= delta x acres =	-1.0176 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 07W-24-I	
FLUCCs Code: 617-511	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.6697
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Ditch flows from west side of wetland to a wetland to the South; surrounded by flatwoods and hardwoods.				
Assessment Area Description: Forested wetland with pines throughout.				
Significant Nearby Features: Lettis Creek ~600 yds west.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle				
Additional relevant factors: 				
Assessment conducted by: LMP/SAE			Assessment date(s): 25-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 07W-24-I
Impact or Mitigation Impact	Assessment conducted by: Imp/sae	Assessment Date: 25-Jan-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Area Land Uses have minimal adverse impacts on wildlife. Wildlife access to/from AA is partially limited by distance or barriers.			
	w/o pres or current	with		
	7	0		
.500(7)(b) Water Environment (n/a for uplands)	Moist ground, no standing water. Heavy cattle influence. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Fire history indicates atypical fire frequency or severity due to excessive dryness. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	5	0		
.500(7)(c) Community Structure	Lots of wetland ground cover, little Juncus. Pine trees throughout with some oaks. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Majority of plant covers is desirable plant species in all strata. Topo features slightly less optimal. Age/size distribution atypical, show permanent deviations. Minimal evidence of regeneration/recruitment.			
	w/o pres or current	with		
	6	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.6000	0.0000

Delta = [with-current]:
-0.6000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.6697026
FL= delta x acres =	-0.4018 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 07W-28-I	
FLUCCs Code: 641-6415-513		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.5660
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Connected to a larger wetland to the North via a 15 yd ditch with Juncus and Iris. Surrounded by pasture.</p>					
<p>Assessment Area Description:</p> <p>Small herbaceous wetland dominated by Juncus.</p>					
<p>Significant Nearby Features:</p> <p>Lettis Creek ~150 yards. West.</p>			<p>Uniqueness (considering the relative rarity in relation to the regional landscape.)</p> <p>None</p>		
<p>Functions:</p> <p>Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.</p>			<p>Mitigation for previous permit/other historic use:</p> <p>None</p>		
<p>Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)</p> <p>Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge</p>			<p>Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area):</p> <p>Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)</p>		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>Cattle, hog, sandhill crane</p>					
<p>Additional relevant factors:</p>					
<p>Assessment conducted by:</p> <p>SAE/LMP</p>				<p>Assessment date(s):</p> <p>26-Jan-2005</p>	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 07W-28-I
Impact or Mitigation Impact	Assessment conducted by: sae/lmp	Assessment Date: 26-Jan-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Surrounded by low intensity agriculture and/or pasture. Little native available outside AA. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have severe adverse impacts on wildlife. Area Land Uses have significant adverse impacts on wildlife.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Ditch in SE corner and NE corner. Cattle influence. No zonation. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Direct observation of standing water indicates significant water quality degradation such as discoloration, turbidity, or oil sheen. Much of the plant community composition is characterized by species tolerant of and associated with moderate water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
	w/o pres or current	with		
	2	0		
.500(7)(c) Community Structure	Almost a monoculture of Juncus. Spartina on E border. Small patches of Panic hem around the outer zone. Some patches of Cyperus on N border. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Land Management Practices resulted in partial removal/alteration of natural structures, add some artificial features. Lack topographic features. Structural habitat not present.			
	w/o pres or current	with		
	2	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.2667 0.0000

Delta = [with-current]:
-0.2667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.5660144
FL= delta x acres =	-0.1509 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 07W-32-I	
FLUCCs Code: 617-641-511-513		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 6.5863
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Lettis Creek tributary flows in on NW and another tributary flows out on SW. Ditch flows in on North from another wetland. Surrounded by hardwoods with pasture <50 yds west.</p>					
<p>Assessment Area Description:</p> <p>Forested wetland dominated by maples.</p>					
<p>Significant Nearby Features:</p> <p>Lettis Creek ~550 yards west.</p>			<p>Uniqueness (considering the relative rarity in relation to the regional landscape.)</p> <p>None</p>		
<p>Functions:</p> <p>Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.</p>			<p>Mitigation for previous permit/other historic use:</p> <p>None</p>		
<p>Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)</p> <p>Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge</p>			<p>Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area):</p> <p>Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)</p>		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>Cattle, hog, fish, red shouldered hawk</p>					
<p>Additional relevant factors:</p>					
<p>Assessment conducted by:</p> <p>SAE/LMP</p>				<p>Assessment date(s):</p> <p>25-Jan-2005</p>	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 07W-32-I
Impact or Mitigation Impact	Assessment conducted by: sae/lmp	Assessment Date: 25-Jan-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Wildlife access to/from AA is partially limited by distance or barriers. Area Land Uses have minimal adverse impacts on wildlife. Discharges from AA significant to downstream areas, which could suffer substantial adverse impacts if quality/quantity were altered.			
	w/o pres or current	with		
6	0			

.500(7)(b) Water Environment (n/a for uplands)	Fair zonation. Cattle influence. Soil is damp on borders, standing water throughout forested area. Regional ditching has lowered the water environment site-wide, and land mgmt activities have altered natural sheet flow in the area. Fire history indicates atypical fire frequency or severity due to excessive dryness. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
7	0			

.500(7)(c) Community Structure	Herbaceous area on S tip w/ Andropogon, sawgrass, Panic hem, and Iris . Dominated by maples and oaks. Some duckweed. Wetland ground cover throughout. Grazing/lack of land maintenance (hog control, fire, etc.) have diminished community structure. Age/size distribution typical, may show temporary deviations. Majority of plant covers is desirable plant species in all strata . Slightly lower/higher quantity of good structural habitat (see rule for details). Topo features slightly less optimal.			
	w/o pres or current	with		
7	0			

Score = sum of above scores/30 (if uplands, divide by 20)	
0.6667	0.0000

Delta = [with-current]:
-0.6667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	6.5862655
FL= delta x acres =	-4.3908 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

** FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.*

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 07W-33-I	
FLUCCs Code: 617-511		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.2732
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected to 2 wetlands					
Assessment Area Description: Narrow forested wetland connection between 2 wetlands					
Significant Nearby Features: Lettis Creek			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) None					
Additional relevant factors: None					
Assessment conducted by: SCP				Assessment date(s): 19-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 07W-33-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Area Land Uses have significant adverse impacts on wildlife. Wildlife access to/from AA is partially limited by distance or barriers.			
	w/o pres or current	with		
	6	0		
.500(7)(b) Water Environment (n/a for uplands)	Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area.			
	w/o pres or current	with		
	6	0		
.500(7)(c) Community Structure	Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species .			
	w/o pres or current	with		
	7	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.6333	0.0000

Delta = [with-current]:
-0.6333

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.2731593
FL= delta x acres =	-0.1730 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 07W-36-I	
FLUCCs Code: 641		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 2.5586
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Ditch comes in on the West. Surrounded by flatwoods. Pasture <100 yards East.					
Assessment Area Description: Herbaceous wetland dominated by Juncus and Panicum hemitomon.					
Significant Nearby Features: Lettis Creek ~600 ft West.			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Little grass frog, cattle					
Additional relevant factors:					
Assessment conducted by: LMP/SAE				Assessment date(s): 25-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 07W-36-I
Impact or Mitigation Impact	Assessment conducted by: Imp/sae	Assessment Date: 25-Jan-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Surrounded by moderate or varying width of native habitat within active cattle operation. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Wildlife access to/from AA is partially limited by distance or barriers. Area Land Uses have significant adverse impacts on wildlife.			
	w/o pres or current	with		
	5	0		
.500(7)(b) Water Environment (n/a for uplands)	Stream on W connects to Lettuce Creek. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	7	0		
.500(7)(c) Community Structure	Dominated by a mixture of Juncus and Panic hem. Lots of Iris and wetland ground over throughout. Patches of Psartina. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Majority of plant covers is desirable plant species in all strata. Slightly lower/higher quantity of good structural habitat (see rule for details).			
	w/o pres or current	with		
	6	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.6000	0.0000

Delta = [with-current]:
-0.6000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	2.5585733
FL= delta x acres =	-1.5351 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 07W-38-I	
FLUCCs Code: 641-6415-513	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 2.8626
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Surrounded by pasture. Ditch running through the center connects this wetland to a wetland to the North and another to the South.</p>				
<p>Assessment Area Description:</p> <p>Herbaceous wetland dominated by Juncus. Ditch runs through the center.</p>				
Significant Nearby Features: LC -600 yds West		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle, hog				
Additional relevant factors:				
Assessment conducted by: SAE/LMP			Assessment date(s): 26-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 07W-38-I
Impact or Mitigation Impact	Assessment conducted by: sae/Imp	Assessment Date: 26-Jan-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Surrounded by low intensity agriculture and/or pasture. Little native available outside AA. Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have severe adverse impacts on wildlife.
w/o pres or current	with
4	0
.500(7)(b) Water Environment (n/a for uplands)	Cattle and pig influence. Little visible degradation. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Water levels and flow moderately higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.
w/o pres or current	with
4	0
.500(7)(c) Community Structure	Dominated by Juncus. Lots of ground cover, primarily road grass. Some Panic hem and some Andropogon. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Majority of plant covers is desirable plant species in all strata. Minimal cover by invasive/exotic plant species. Much lower/higher quantity of good structure habitat (see rule for details) Reduction in extent of topo features.
w/o pres or current	with
5	0

Score = sum of above scores/30 (if uplands, divide by 20)
0.4333 0.0000

Delta = [with-current]:
-0.4333

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	2.8626086
FL= delta x acres =	-1.2405 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 07W-40-I	
FLUCCs Code: 617-512-513	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.7856
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by hardwoods/flatwoods, pasture ~100 yards West. Flows from one wetland to another.				
Assessment Area Description: Ditched floodplain wetland that discharges to Lettis Creek.				
Significant Nearby Features: LC ~600 yds West		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Fish				
Additional relevant factors:				
Assessment conducted by: SAE/LMP			Assessment date(s): 25-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 07W-40-I
Impact or Mitigation Impact	Assessment conducted by: sae/lmp	Assessment Date: 25-Jan-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Area Land Uses have minimal adverse impacts on wildlife. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Wildlife access to/from AA is partially limited by distance or barriers. Discharges from AA significant to downstream areas, which could suffer substantial adverse impacts if quality/quantity were altered.			
	w/o pres or current	with		
	7	0		
.500(7)(b) Water Environment (n/a for uplands)	Flow of water is good. Erosion due to cattle influence. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Soil deviated from appropriate, erosion/deposition patterns atypical/indicate alterations. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen. Water levels and flow appear appropriate considering natural variation.			
	w/o pres or current	with		
	7	0		
.500(7)(c) Community Structure	Pines/oaks on the banks. Lots of wetland grasses and Iris. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Majority of plant covers is desirable plant species in all strata. Age/size distribution typical, may show temporary deviations. Moderate degree of siltation/algal growth to impede submerged aquatic plant growth.			
	w/o pres or current	with		
	7	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.7000 0.0000

Delta = [with-current]:
-0.7000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.7855756
FL= delta x acres =	-0.5499 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 07W-68-I	
FLUCCs Code: 617		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.0006
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Flatwoods to N and pasture to S. Connects to another wetland on W and a ditch to E.					
Assessment Area Description: Forested wetland surrounding stream connected to a chain of wetlands and Lettis Creek; surrounded by hardwoods with pasture <25 S.					
Significant Nearby Features: Connected to Lettis Creek			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Fish, dead cattle in stream					
Additional relevant factors: Fallen trees throughout area.					
Assessment conducted by: LMP/SAE				Assessment date(s): 25-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 07W-68-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10) Condition is optimal and fully supports wetland/surface water functions	Moderate (7) Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal (4) Minimal level of support of wetland/surface water functions	Not Present (0) Condition is insufficient to provide wetland/surface water functions
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.500(7)(a) Location and Landscape Support	Narrow buffer of native vegetation, but limited habitat outside the immediate vicinity. Little surrounding upland habitat available.		
w/o pres or current	with		
6	0		
.500(7)(b) Water Environment (n/a for uplands)	Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area.		
w/o pres or current	with		
4	0		
.500(7)(c) Community Structure	Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure.		
w/o pres or current	with		
5	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.5000 0.0000

Delta = [with-current]:
-0.5000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.0006279
FL= delta x acres =	-0.0003 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 07W-78-I	
FLUCCs Code: 641-626		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 2.5769
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Surrounded primarily by pasture and some flatwoods to the North. Connected to another wetland to the East. Lettis Creek flows into NW corner from another wetland.</p>					
<p>Assessment Area Description:</p> <p>Herbaceous wetland dominated by Panicum hemitomom and some Juncus.</p>					
<p>Significant Nearby Features:</p> <p>Lettis Creek flows into the wetland from the NW corner.</p>			<p>Uniqueness (considering the relative rarity in relation to the regional landscape.)</p> <p>None</p>		
<p>Functions:</p> <p>Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.</p>			<p>Mitigation for previous permit/other historic use:</p> <p>None</p>		
<p>Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)</p> <p>Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge</p>			<p>Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area):</p> <p>Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)</p>		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>Frog, cattle, hogs</p>					
<p>Additional relevant factors:</p>					
<p>Assessment conducted by:</p> <p>SMG/Matt Wilson</p>				<p>Assessment date(s):</p> <p>22-Sep-2011</p>	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 07W-78-I
Impact or Mitigation Impact	Assessment conducted by: sae/lmp	Assessment Date: 20-Jan-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Lettuce Creek flows into wetland in the NW corner. This wetland is connected to another wetland on the E. Surrounded by low intensity agriculture and/or pasture. Little native available outside AA. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have significant adverse impacts on wildlife. Discharges from AA significant to downstream areas, which could suffer substantial adverse impacts if quality/quantity were altered.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Deep water center. Pig and cattle influence. Lettuce Creek flows in from the NW corner. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Vegetation or benthic community zonation in most strata inappropriate for TOS.			
	w/o pres or current	with		
	5	0		
.500(7)(c) Community Structure	Scattered pines throughout. Panic hem and Juncus dominate. Grazed heavily by cattle. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Much lower/higher quantity of good structure habitat (see rule for details)			
	w/o pres or current	with		
	3	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.4000	0.0000

Delta = [with-current]:
-0.4000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	2.5768584
FL= delta x acres =	-1.0307 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 07W-80-I	
FLUCCs Code: 626-641		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 1.7882
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected to another wetland on West side. Completely surrounded by pasture.					
Assessment Area Description: Forested wetland with deep open water center.					
Significant Nearby Features: Lettis Creek flows into the wetland connected to this wetland on the West side.			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle					
Additional relevant factors:					
Assessment conducted by: SAE/LMP				Assessment date(s): 20-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 07W-80-I
Impact or Mitigation Impact	Assessment conducted by: SAE/LMP	Assessment Date: 20-Jan-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Lettuce Creek flows into the wetland that connects to this wetland on the W. Surrounded by low intensity agriculture and/or pasture. Little native available outside AA. Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have significant adverse impacts on wildlife. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I.			
	w/o pres or current	with		
4	0			
.500(7)(b) Water Environment (n/a for uplands)	Cattle influence. Deep center that lacks much vegetation. Poor zonation. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Vegetation or benthic community zonation in most strata inappropriate for TOS.			
	w/o pres or current	with		
5	0			
.500(7)(c) Community Structure	Dominated by Juncus. Other plants include Woodw vir, Polygonum, some Pontaderia in the center, and Lemna. Few large pines and a few fallen trees. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Land Management Practices resulted in partial removal/alteration of natural structures, add some artificial features.			
	w/o pres or current	with		
4	0			

Score = sum of above scores/30 (if uplands, divide by 20)
0.4333 0.0000

Delta = [with-current]:
-0.4333

If preservation as mitigation,
Preservation adjustment factor = N/A
Adjusted mitigation delta = N/A

If mitigation
Time lag (t-factor) = N/A
Risk factor = N/A

For impact assessment areas
Area Size (ac) = 1.7882256
FL= delta x acres = -0.7749 *

For mitigation assessment areas
RFG = delta/(t-factor x risk) = N/A

** FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.*

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 07W-86-I	
FLUCCs Code: 626-641-6417-625-511	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 7.0570
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected to another wetland at SE corner. Surrounded by flatwoods to the South and pasture to the North.				
Assessment Area Description: Forested wetland with trees along the border.				
Significant Nearby Features: Lettis Creek is 300 yards West.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Mocking bird, cattle, hog, cricket frog, little grass frog				
Additional relevant factors:				
Assessment conducted by: SMG/Matt Wilson			Assessment date(s): 22-Sep-2011	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 07W-86-I
Impact or Mitigation Impact	Assessment conducted by: SMG/Matt Wilson	Assessment Date: 22-Sep-2011

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Surrounded by low intensity agriculture and/or pasture. Little native available outside AA. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have significant adverse impacts on wildlife.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Standing water throughout. Fair zonation. Cattle and pig influence. Areas of open water. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Water levels and flow moderately higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	4	0		
.500(7)(c) Community Structure	Spartina, roadgrass and Juncus. Pines and oaks along the border of the wetland. Fallen trees throughout. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Topo features slightly less optimal. Slightly lower/higher quantity of good structural habitat (see rule for details). Majority of plant covers is desirable plant species in all strata			
	w/o pres or current	with		
	7	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.5000	0.0000

Delta = [with-current]:
-0.5000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	7.0570019
FL= delta x acres =	-3.5285 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 07W-88-I	
FLUCCs Code: 641		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.7431
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by pasture and connected to a headwater wetland that ultimately feeds Lettis Creek.					
Assessment Area Description: This is a 0.74-acre herbaceous wetland dominated by Juncus, Spartina and Panicum hemitomon.					
Significant Nearby Features: Lettis Creek ~300 yards West.			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Great egret, cattle					
Additional relevant factors:					
Assessment conducted by: LMP/SAE				Assessment date(s): 25-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 07W-88-I
Impact or Mitigation Impact	Assessment conducted by: Imp/sae	Assessment Date: 25-Jan-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Surrounded by low intensity agriculture and/or pasture. Little native available outside AA. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have significant adverse impacts on wildlife.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Fair zonation. Small areas of open water. Cattle influence. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area.			
	w/o pres or current	with		
	3	0		
.500(7)(c) Community Structure	Large areas of Spartina. Lots of Cynodon dactylon throughout. Juncus on outer edge and mixed throughout. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Majority of plant covers is by undesirable plant species (invasive/exotic) in all strata. All/mostly invasive/exotic species. Much lower/higher quantity of good structure habitat (see rule for details) Land Management Practices resulted in partial removal/alteration of natural structures, add some artificial features.			
	w/o pres or current	with		
	3	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.3333 0.0000

Delta = [with-current]:
-0.3333

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.7430935
FL= delta x acres =	-0.2477 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 07W-92-I	
FLUCCs Code: 641-6415		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 1.7506
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Hydrologically isolated but deemed jurisdictional in the 2012 USACE Jurisdictional Verification. Surrounded by pasture with scattered flatwoods to the East. The nearest wetland <100 yards East.</p>					
<p>Assessment Area Description:</p> <p>This is a 1.75-acre herbaceous wetland dominated by Juncus with an open water center.</p>					
Significant Nearby Features: Lettis Creek less than 1/4 mile NW.			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Pig, cattle, armadillo					
Additional relevant factors:					
Assessment conducted by: SAE/LMP				Assessment date(s): 20-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 07W-92-I
Impact or Mitigation Impact	Assessment conducted by: SMG/Matt Wilson	Assessment Date: 22-Sep-2011

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Surrounded by low intensity agriculture and/or pasture. Little native available outside AA. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have significant adverse impacts on wildlife.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Open water center with standing water throughout. Cattle and pig influence. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area.			
	w/o pres or current	with		
	3	0		
.500(7)(c) Community Structure	All Juncus with a few patches of Spartina and Andropogon. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Few nuisance/exotic species. Much lower/higher quantity of good structure habitat (see rule for details) No evidence of regeneration/recruitment.			
	w/o pres or current	with		
	2	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.3000 0.0000

Delta = [with-current]:
-0.3000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	1.7506128
FL= delta x acres =	-0.5252 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 07W-94-I	
FLUCCs Code: 641-626	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 2.3051
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected to another wetland. Surrounded by flatwoods (50%) and pasture (50%).				
Assessment Area Description: Herbaceous wetland with thick border of hardwoods and flatwoods.				
Significant Nearby Features: Lettis Creek ~300 yards West.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Pig, cattle, armadillo, lots of small birds				
Additional relevant factors:				
Assessment conducted by: SAE/LMP			Assessment date(s): 25-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 07W-94-I
Impact or Mitigation Impact	Assessment conducted by: sae/lmp	Assessment Date: 25-Jan-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Surrounded by low intensity agriculture and/or pasture. Little native available outside AA. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have significant adverse impacts on wildlife.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Western edge has artificially-created drop-off resulting in inappropriate vegetation. Regional ditching lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in area. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen. Fire history indicates atypical fire frequency or severity due to excessive dryness. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
	w/o pres or current	with		
	5	0		
.500(7)(c) Community Structure	Pontaderia throughout the center. Ludwigia peruviana, Typha, Cyperus, Panic hem, and Polygonum. Spartina dominates the outer zone. Pines, oaks, palmettos, wax myrtles scattered. Grazing and lack of land maintenance have diminished community structure. Moderate degree of siltation/algal growth to impede submerged aquatic plant growth. Slightly lower/higher quantity of good structural habitat (see rule for details). Majority of plant covers is desirable plant species in all strata. Minimal cover by invasive/exotic plant species. Age/size distribution typical, may show temporary deviations. Topo features slightly less optimal.			
	w/o pres or current	with		
	6	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.5000	0.0000

Delta = [with-current]:
-0.5000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	2.3051318
FL= delta x acres =	-1.1526 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 07W-98-I	
FLUCCs Code: 641		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.3831
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by hardwoods to the North and Pasture to the South. Seasonally connected to Lettis Creek.					
Assessment Area Description: This is a 0.38-acre herbaceous wetland with oaks, pines, palmettos, and lots of Juncus and smartweed.					
Significant Nearby Features: Lettis Creek ~150 yards North			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Pig, cattle, deer, robin, mourning dove					
Additional relevant factors: Stream found in the area- possible extension of Lettis Creek					
Assessment conducted by: LMP/SAE				Assessment date(s): 26-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 07W-98-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Narrow buffer of native vegetation, but limited habitat outside the immediate vicinity. Little surrounding upland habitat available. Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have significant adverse impacts on wildlife.			
	w/o pres or current	with		
	5	0		
.500(7)(b) Water Environment (n/a for uplands)	Standing water throughout most of area. Heavy cattle and pig influence. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	5	0		
.500(7)(c) Community Structure	Oaks, pines, palmettos, Juncus and Polygonum. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Majority of plant covers is desirable plant species in all strata. Age/size distribution typical, may show temporary deviations.			
	w/o pres or current	with		
	5	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.5000	0.0000

Delta = [with-current]:
-0.5000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.3831247
FL= delta x acres =	-0.1916 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 08E-02-I	
FLUCCs Code: 6417-630-617-513-512		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 3.9706
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Surrounded by hardwoods; connected to two larger wetlands via natural stream.</p>					
<p>Assessment Area Description:</p> <p>Herbaceous wetland surrounded by hardwoods borders pasture to NW.</p>					
<p>Significant Nearby Features:</p> <p>~500 yds E of 663</p>			<p>Uniqueness (considering the relative rarity in relation to the regional landscape.)</p> <p>None</p>		
<p>Functions:</p> <p>Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.</p>			<p>Mitigation for previous permit/other historic use:</p> <p>None</p>		
<p>Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)</p> <p>Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge</p>			<p>Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area):</p> <p>Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)</p>		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>Cattle, hog, squirrel</p>					
<p>Additional relevant factors:</p> <p>None</p>					
<p>Assessment conducted by:</p> <p>SAE/LMP</p>				<p>Assessment date(s):</p> <p>20-Jan-2005</p>	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 08E-02-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Stream flows in at NE corner, downstream at SW corner. Connects wetlands together surrounded by hardwoods; pasture ~25 yds W. Hwy 663 ~0.25 mi to E. Surrounded by moderate or varying width of native habitat within active cattle operation. Area Land Uses have significant adverse impacts on wildlife. Wildlife access to/from AA is partially limited by distance or barriers.			
	w/o pres or current	with		
	6	0		
.500(7)(b) Water Environment (n/a for uplands)	Fair zonation, areas of open water, Cattle and pig influence. Standing water throughout, deep in some areas. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	7	0		
.500(7)(c) Community Structure	Panic hem, juncus, sawgrass, some pontederia. Good structural habitat. Age/size distribution typical, may show temporary deviations. Evidence of near normal regeneration/recruitment.			
	w/o pres or current	with		
	7	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.6667 0.0000

Delta = [with-current]:
-0.6667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	3.9706007
FL= delta x acres =	-2.6471 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 08E-10-I	
FLUCCs Code: 617-630-512		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 1.7155
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connects wetlands together surrounded by hardwoods; pasture <50 yds to NW.					
Assessment Area Description: Part of an in-line wetland system that feeds ultimately to Lettis Creek.					
Significant Nearby Features: Hwy 663 ~500 yds E.			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle, hog, cardinal, red-bellied woodpecker, crows, small birds.					
Additional relevant factors: None					
Assessment conducted by: LMP/SAE				Assessment date(s): 19-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 08E-10-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Surrounded by hardwoods Surrounded by moderate or varying width of native habitat within active cattle operation. Connects a chain of wetlands together ~500 yds E of Hwy 663 Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Wildlife access to/from AA is partially limited by distance or barriers. Area Land Uses have minimal adverse impacts on wildlife. Discharges from AA significant to downstream areas, which could suffer substantial adverse impacts if quality/quantity were altered.			
	w/o pres or current	with		
	7	0		
.500(7)(b) Water Environment (n/a for uplands)	Banks eroded in some areas due to pig and cattle influence and hurricanes. Flow appropriate for season. Some cattle influence in areas. Stream connects a chain of wetlands Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	6	0		
.500(7)(c) Community Structure	Oak, pine, palmetto along bank. Some fallen trees. Small patches of Juncus. Many wetland plant ground cover found. Evidence of near normal regeneration/recruitment. Majority of plant covers is desirable plant species in all strata. Minimal cover by invasive/exotic plant species. Minor degree of siltation/algal growth to impede submerged aquatic plant growth.			
	w/o pres or current	with		
	7	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.6667 0.0000

Delta = [with-current]:
-0.6667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	1.7155271
FL= delta x acres =	-1.1437 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 08E-12-I	
FLUCCs Code: 17-618-617-641-643-630-513-1		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 32.8687
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Connects to a chain of wetlands via stream on N side and two streams; one from the SW corner and the other at the SE corner.</p>					
<p>Assessment Area Description:</p> <p>Herbaceous wetland dominated by Juncus and Ludwigia surrounded by hardwoods and flatwoods. Large open canopy S and SW area. Borders cattle pasture to SW.</p>					
Significant Nearby Features: <0.5 mi W of hwy 663			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)/roosting/nesting (SSC by FFWCC), Sandhill crane nesting (SSC by FFWCC)		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>Cattle, hog, white ibis, red-bellied woodpecker, racoon, sparrows</p>					
<p>Additional relevant factors:</p> <p>None</p>					
Assessment conducted by: SMG/Matt Wilson				Assessment date(s): 22-Sep-2011	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 08E-12-I
Impact or Mitigation Impact	Assessment conducted by: SMG/Matt Wilson	Assessment Date: 22-Sep-2011

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type of wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Primarily bordered by hardwoods w/pasture bordering NW side.Hwy 663<0.5 mi E. Natural stream flows in from N downstream to SW&SE corners where they flow into other wetlands.rrounded by moderate or varying width of native habitat w/in active cattle ops Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Wildlife access to/from AA is partially limited by distance or barriers. Area Land Uses have minimal adverse impacts on wildlife. Discharges from AA significant to downstream areas, which could suffer substantial adverse impacts if quality/quantity were altered.			
	w/o pres or current	with		
	7	0		
.500(7)(b) Water Environment (n/a for uplands)	Stream flows into wetland from N connecting it to N wetlands. Water flows downstream into two separate streams; one in SE corner and one in SW corner.Soil very mucky, fair zonation, many patches of open water, deep standing water throughout wetla Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	7	0		
.500(7)(c) Community Structure	Red maple, oaks, pine surround area. Open canopy patches allowing microhabitats w/in wetland. Patches of Juncus, andropogon, sawgrass, ferns, Salvi min, some duckweed. Ludwi per found on W side of wetland bordering pasture;dog fennel in patches throughout Minimal cover by invasive/exotic plant species . Age/size distribution typical, may show temporary deviations. Optimal structural habitat. Minor degree of siltation/algal growth to impede submerged aquatic plant growth.			
	w/o pres or current	with		
	7	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.7000 0.0000

Delta = [with-current]:
-0.7000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	32.868725
FL= delta x acres =	-23.0081 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 08E-20-I	
FLUCCs Code: 630-6415-6417-512	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.2891
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected to larger wetland surrounded by cattle pasture.				
Assessment Area Description: Wetland adjacent to old cattle pond dominated by Panicum hemitomon with steep eroded banks surrounded by cattle pasture.				
Significant Nearby Features: <0.5 mi from Hwy 663		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC), Sandhill crane (SSC by FFWCC), American alligator (T by FWS)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle, hog, turtle, several different species of frogs, fish, white bird feathers.				
Additional relevant factors: None				
Assessment conducted by: LMP/SAE			Assessment date(s): 19-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 08E-20-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Connected to larger wetland surrounded by pasture. Hardwoods <50 yds S; Hwy 663 <1/2 mi E. Surrounded by moderate or varying width of native habitat within active cattle operation. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers.			
	w/o pres or current	with		
	5	0		
.500(7)(b) Water Environment (n/a for uplands)	Steep eroded banks with heavy cattle influence. Connected to larger wetland. Mainly herbaceous with a large open water patch on SE corner where it connects to a larger wetland. Water levels and flow moderately higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	4	0		
.500(7)(c) Community Structure	Small patches of Juncus; dominated by Panic hem with Ludwi per in center and cyperus throughout. Small area of Pistia and duckweed found. Small patch of soda apple just outside area. High degree of siltation/algal growth to impede submerged aquatic plant growth. Structural habitat not present. Land Management Practices resulted in partial removal/alteration of natural structures, add some artificial features. Reduction in extent of topo features.			
	w/o pres or current	with		
	3	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.4000	0.0000

Delta = [with-current]:
-0.4000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.2891496
FL= delta x acres =	-0.1157 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 08E-22-I	
FLUCCs Code: 643		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.8627
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by wetlands <100 yards in all directions.					
Assessment Area Description: This is a 0.86-acre herbaceous wetland dominated by Panicum hemitomon.					
Significant Nearby Features: Hwy 663 ~1/4 mi East			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Pig, cattle, little grass frog					
Additional relevant factors:					
Assessment conducted by: SAE/LMP				Assessment date(s): 20-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 08E-22-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Surrounded by hardwoods to W; flatwoods to E. Surrounded by moderate or varying width of native habitat within active cattle operation. Hwy 663 ~1/4 mi E. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Wildlife access to/from AA is partially limited by distance or barriers. Area Land Uses have minimal adverse impacts on wildlife.			
	w/o pres or current	with		
	7	0		
.500(7)(b) Water Environment (n/a for uplands)	No visible degradation. Minimal cattle and pig influence. No zonation with areas of open water. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	7	0		
.500(7)(c) Community Structure	Primarily Panic hem with some Andropogon, Eupatorium, xyris, Hydrocotyl umbellata, and some small dead oaks. High degree of siltation/algal growth to impede submerged aquatic plant growth. Structural habitat not present. Land Management Practices resulted in partial removal/alteration of natural structures, add some artificial features. Reduction in extent of topo features.			
	w/o pres or current	with		
	3	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.5667 0.0000

Delta = [with-current]:
-0.5667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.8627188
FL= delta x acres =	-0.4889 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 08E-30-I	
FLUCCs Code: 641-630-513		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 1.0783
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Ditch flows downstream at NW corner; connected to larger wetland to SE surrounded by hardwoods.</p>					
<p>Assessment Area Description: Herbaceous wetland dominated by Juncus and Panicum hemitomon connected to a chain of wetlands by ditch.</p>					
Significant Nearby Features: Hwy 663 ~1/2 mi E			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Fish, armadillo, hog, cattle, cricket frog, several Red shouldered hawks.</p>					
<p>Additional relevant factors: None</p>					
Assessment conducted by: LMP/SAE				Assessment date(s): 20-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 08E-30-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Connected to a larger wetland surrounded by hardwoods and flatwoods. Surrounded by moderate or varying width of native habitat within active cattle operation. Hwy 663 ~1/2 mi E. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Wildlife access to/from AA is partially limited by distance or barriers. Area Land Uses have significant adverse impacts on wildlife.			
	w/o pres or current	with		
	6	0		
.500(7)(b) Water Environment (n/a for uplands)	Heavy pig and cattle influence, fair zonation, open water in several areas. Deep water ditch running through center of wetland from NW corner to SE corner into wetland 08e-40. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen. Much of the plant community composition is characterized by species tolerant of and associated with moderate water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
	w/o pres or current	with		
	5	0		
.500(7)(c) Community Structure	Scattered pines, wax myrtle; dominated by P hemitomon and Juncus on outer edge, Pontederia and Ludwi per in center. Age/size distribution typical, may show temporary deviations. Land Management Practices resulted in partial removal/alteration of natural structures, add some artificial features.			
	w/o pres or current	with		
	5	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.5333 0.0000

Delta = [with-current]:
-0.5333

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	1.078296
FL= delta x acres =	-0.5751 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 08E-32-I	
FLUCCs Code: 641-643-626-630-513	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 19.6495
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands This wetland discharges into Lettis Creek in-line wetlands; <1/4 mile from Hwy 663 and associated ditches, RR tracks and transmission lines.				
Assessment Area Description: Hydric pine savanna				
Significant Nearby Features: Lettis Creek; Hwy 663, ditches along roadway		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) None				
Additional relevant factors: None				
Assessment conducted by: SMG/Matt Wilson			Assessment date(s): 22-Sep-2011	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 08E-32-I
Impact or Mitigation Impact	Assessment conducted by: SMG/Matt Wilson	Assessment Date: 22-Sep-2011

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Surrounded by moderate or varying width of native habitat within active cattle operation. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Wildlife access to/from AA is partially limited by distance or barriers.			
	w/o pres or current	with		
	8	0		
.500(7)(b) Water Environment (n/a for uplands)	Cattle influence; roadway and dtches have altered the "upstream" flow and allow for roadway run-off to enter this system. Many regional hydrologic alterations.			
	w/o pres or current	with		
	6	0		
.500(7)(c) Community Structure	Desirable species dominate. Good structural diversity. Minimal evidence of regeneration/recruitment. Much lower/higher quantity of good structure habitat (see rule for details)			
	w/o pres or current	with		
	4	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.6000 0.0000

Delta = [with-current]:
-0.6000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	19.649498
FL= delta x acres =	-11.7897 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 08E-34-I	
FLUCCs Code: 643-626-630-641	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 2.8173
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by flatwoods and hardwoods, connected to a chain of wetlands; within a large natural area.				
Assessment Area Description: Transitional zone/floodplain surrounded by connecting wetlands surrounded by flatwoods and hardwoods. Dry area at time of assessment.				
Significant Nearby Features: Hwy 663 <1/4 mi E		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle, hog				
Additional relevant factors: None				
Assessment conducted by: LMP/SAE			Assessment date(s): 20-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 08E-34-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Surrounded by moderate or varying width of native habitat within active cattle operation.			
	w/o pres or current	with		
	7	0		
.500(7)(b) Water Environment (n/a for uplands)				
	w/o pres or current	with		
	7	0		
.500(7)(c) Community Structure				
	w/o pres or current	with		
	7	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.7000 0.0000

Delta = [with-current]:
-0.7000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	2.8173368
FL= delta x acres =	-1.9721 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 08E-36-I	
FLUCCs Code: 641-643-630		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 2.6468
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by flatwoods, connected to a chain of wetlands by transitional zone/floodplain; within a large natural area.					
Assessment Area Description: Herbaceous wetland dominated by Panicum hemitomon.					
Significant Nearby Features: Hwy 663 <300 yds E			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Pig, cattle					
Additional relevant factors: None					
Assessment conducted by: SAE/LMP				Assessment date(s): 20-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 08E-36-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Surrounded by moderate or varying width of native habitat within active cattle operation.			
	w/o pres or current	with		
7	0			
.500(7)(b) Water Environment (n/a for uplands)				
	w/o pres or current	with		
7	0			
.500(7)(c) Community Structure				
	w/o pres or current	with		
7	0			

Score = sum of above scores/30 (if uplands, divide by 20)	
0.7000	0.0000

Delta = [with-current]:
-0.7000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	2.6468464
FL= delta x acres =	-1.8528 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

** FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.*

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 08E-40-I	
FLUCCs Code: 641-643-6415-630-513		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 14.9118
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Ditch flows downstream at NW corner connected it to a smaller wetland to NW. Surrounded by hardwoods.</p>					
<p>Assessment Area Description:</p> <p>Herbaceous wetland connected to chain of wetlands to NW surrounded by hardwoods.</p>					
<p>Significant Nearby Features:</p> <p>Hwy 663 <1/2 mi E.</p>			<p>Uniqueness (considering the relative rarity in relation to the regional landscape.)</p> <p>None</p>		
<p>Functions:</p> <p>Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.</p>			<p>Mitigation for previous permit/other historic use:</p> <p>None</p>		
<p>Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)</p> <p>Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge</p>			<p>Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area):</p> <p>Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)</p>		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>Cattle, hog</p>					
<p>Additional relevant factors:</p> <p>None</p>					
<p>Assessment conducted by:</p> <p>SMG/Matt Wilson</p>				<p>Assessment date(s):</p> <p>22-Sep-2011</p>	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 08E-40-I
Impact or Mitigation Impact	Assessment conducted by: SMG/Matt Wilson	Assessment Date: 22-Sep-2011

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Connected to a larger wetland surrounded by hardwoods and flatwoods. Hwy 663 ~1/2 mi E. Area Land Uses have significant adverse impacts on wildlife. Wildlife access to/from AA is partially limited by distance or barriers.			
	w/o pres or current	with		
	6	0		
.500(7)(b) Water Environment (n/a for uplands)	No visible degradation. Deep standing water throughout. Aonation appropriate with areas of open water. Cattle and pig influence. Ditched prior to 1972 Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	5	0		
.500(7)(c) Community Structure	Andropogon and spartina in outer zone, P. hemitomom in middle, some pontederia in center as well as a lot of Ludwi per. Excellent vegetative structure and zonation. Bisected by historic dragline walk path. Minimal cover by invasive/exotic plant species. Much lower/higher quantity of good structure habitat (see rule for details) Age/size distribution atypical, show permanent deviations.			
	w/o pres or current	with		
	4	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.5000	0.0000

Delta = [with-current]:
-0.5000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	14.911801
FL= delta x acres =	-7.4559 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 08E-42-I	
FLUCCs Code: 641-643-617-630	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 5.9034
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by flatwoods and hardwoods, connected to a chain of wetlands within a large natural area.				
Assessment Area Description: Herbaceous wetland dominated by Panicum hemitomon connected to a chain of wetlands.				
Significant Nearby Features: Hwy 663 <300 feet to the E		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Pig				
Additional relevant factors: None				
Assessment conducted by: SAE/LMP			Assessment date(s): 20-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 08E-42-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support				
w/o pres or current	with			
7	0			
.500(7)(b) Water Environment (n/a for uplands)				
w/o pres or current	with			
7	0			
.500(7)(c) Community Structure				
w/o pres or current	with			
7	0			

Score = sum of above scores/30 (if uplands, divide by 20)
0.7000 0.0000

Delta = [with-current]:
-0.7000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	5.9034374
FL= delta x acres =	-4.1324 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 08E-44-I	
FLUCCs Code: 641-626-643-6415	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 2.2121
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by hardwoods and flatwoods. Several wetlands nearby in all directions. Cattle pasture <50 yds S.				
Assessment Area Description: Herbaceous wetland dominated by Spartina,, Andropogon, and Panicum hemitomon surrounded by hardwoods and flatwoods. Pasture <50 yds S.				
Significant Nearby Features: Hwy 663 <1/2 mi E		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cricket frog, little grass frog, armadillo, small birds				
Additional relevant factors: Many pine trees to N have been snapped in 1/2 by hurricane.				
Assessment conducted by: SMG/Matt Wilson			Assessment date(s): 22-Sep-2011	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 08E-44-I
Impact or Mitigation Impact	Assessment conducted by: SMG/Matt Wilson	Assessment Date: 22-Sep-2011

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Surrounded by hardwoods then pasture <100 yds to W and S. Surrounded by moderate or varying width of native habitat within active cattle operation. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Wildlife access to/from AA is partially limited by distance or barriers. Area Land Uses have significant adverse impacts on wildlife.			
	w/o pres or current	with		
	7	0		
.500(7)(b) Water Environment (n/a for uplands)	Heavy cattle influence, water looks good otherwise. Ditch drains into wetland from N. ~6" deep water throughout; deeper in other areas. Many open water areas. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	5	0		
.500(7)(c) Community Structure	Many juvenile pines, andropogon, spartina, maidencane and many various wetland ground cover. Good diversity of species and structural habitat. Topo features slightly less optimal. Slightly lower/higher quantity of good structural habitat (see rule for details). Land Management Practices generally appropriate.			
	w/o pres or current	with		
	6	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.6000 0.0000

Delta = [with-current]:
-0.6000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	2.2121087
FL= delta x acres =	-1.3273 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 08E-46-I	
FLUCCs Code: 641		Further Classification: N/A		Impact or Mitigation Site? Impact	
				Assessment Area Size (ac): 1.6756	
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class		Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A	
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Surrounded by hardwoods and flatwoods. Several wetlands nearby in all directions. Cattle pasture <50 yds S and W.</p>					
<p>Assessment Area Description:</p> <p>This is a 1.68-acre herbaceous wetland surrounded by hardwoods bordering cattle pasture to West and South.</p>					
<p>Significant Nearby Features:</p> <p>Hwy 663 <1/2 mi East</p>			<p>Uniqueness (considering the relative rarity in relation to the regional landscape.)</p> <p>None</p>		
<p>Functions:</p> <p>Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.</p>			<p>Mitigation for previous permit/other historic use:</p> <p>None</p>		
<p>Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)</p> <p>Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge</p>			<p>Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area):</p> <p>Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)</p>		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>Great egret, cricket frog, small birds, little grass frog.</p>					
<p>Additional relevant factors:</p> <p>None</p>					
<p>Assessment conducted by:</p> <p>SAE/LMP</p>				<p>Assessment date(s):</p> <p>20-Jan-2005</p>	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 08E-46-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Hwy 663 <1 mi E. Surrounded by moderate or varying width of native habitat within active cattle operation. Surrounded by hardwoods and flatwoods. Pasture <50 yds S. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Wildlife access to/from AA is partially limited by distance or barriers. Area Land Uses have significant adverse impacts on wildlife.			
	w/o pres or current	with		
	6	0		

.500(7)(b) Water Environment (n/a for uplands)	Fair zonation, areas of open water, deep standing water throughout. Cattle and pig influence. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	6	0		

.500(7)(c) Community Structure	Spartina, andropogon, panicum, patches of juncus and hemitomon. Pontederia in center. Surrounded by hardwoods. Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species .			
	w/o pres or current	with		
	6	0		

Score = sum of above scores/30 (if uplands, divide by 20)		
0.6000		0.0000

Delta = [with-current]:
-0.6000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	1.6755884
FL= delta x acres =	-1.0054 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 08E-48-I	
FLUCCs Code: 641-626-625-643-6415-513		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 15.6215
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Surrounded by hardwoods and flatwoods. Several wetlands nearby in all directions. Connects to many large wetlands to E. Cattle pasture <50 yds S.</p>					
<p>Assessment Area Description:</p> <p>Herbaceous wetland dominated by Panicum hemitomom surrounded by hardwoods.</p>					
Significant Nearby Features: Hwy 663 <1/2 mi E.			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Fish, cricket frog, great egret					
Additional relevant factors: Fallen trees in area					
Assessment conducted by: SMG/Matt Wilson				Assessment date(s): 22-Sep-2011	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 08E-48-I
Impact or Mitigation Impact	Assessment conducted by: SMG/Matt Wilson	Assessment Date: 22-Sep-2011

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Hwy 663 <500 yds E. Surrounded by moderate or varying width of native habitat within active cattle operation.pasture to S. Surrounded by hardwoods. Connects to other wetlands through transitional zone. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Wildlife access to/from AA is partially limited by distance or barriers. Area Land Uses have minimal adverse impacts on wildlife.			
	w/o pres or current	with		
	6	0		
.500(7)(b) Water Environment (n/a for uplands)	Good zonation, deep standing water throughout. WQ is good. Moderate cattle influence. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	6	0		
.500(7)(c) Community Structure	Spartina, juncus, andropogon on outer zone, maidencane, pontederia, and typha in center. Pine trees, palmetto, wax myrtle surround wetland. Couple of small patches of Ludwi per and one small patch of duckweed in center. Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Minor degree of siltation/algal growth to impede submerged aquatic plant growth.			
	w/o pres or current	with		
	7	0		

Score = sum of above scores/30 (if uplands, divide by 20)		
0.6333		0.0000

Delta = [with-current]:
-0.6333

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	15.621463
FL= delta x acres =	-9.8936 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 08E-50B-I	
FLUCCs Code: 41-617-6417-643-625-627-51		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 28.2407
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by hardwoods and flatwoods. Several wetlands nearby in all directions. Connects to many large wetlands to SW. Borders Hwy 663 to E					
Assessment Area Description: Large herbaceous wetland dominated by <i>Cladium jamaicense</i> surrounded by hardwoods and flatwoods.					
Significant Nearby Features: Hwy 663 touches NE corner of area.			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Pair of Great egrets, flock of Ibis, fish, hog damage, cattle					
Additional relevant factors: None					
Assessment conducted by: SMG/Matt Wilson				Assessment date(s): 22-Sep-2011	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 08E-50B-I
Impact or Mitigation Impact	Assessment conducted by: SMG/Matt Wilson	Assessment Date: 22-Sep-2011

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Touches Hwy 663 at NE corner. Surrounded by moderate or varying width of native habitat within active cattle operation. Surrounded by flatwoods and hardwoods. Connects to other large wetlands through transitional zone. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Wildlife access to/from AA is partially limited by distance or barriers.			
	w/o pres or current	with		
	6	0		
.500(7)(b) Water Environment (n/a for uplands)	Connected to other large wetlands. Good zonation and no visible degradation. Ditch runs E-W bordering S section of wetland. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	6	0		
.500(7)(c) Community Structure	Majority of plant cover is by desirable plant species, however, Ludwi per dominates the NW corner of the center of the wetland. Dominated by Cladium in SW corner up through the N border. P. hemitomon, pontederia, and Lud Majority of plant covers is desirable plant species in all strata. Slightly lower/higher quantity of good structural habitat (see rule for details). Land Management Practices resulted in partial removal/alteration of natural structures, add some artificial features.			
	w/o pres or current	with		
	5	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.5667	0.0000

Delta = [with-current]:
-0.5667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	28.240731
FL= delta x acres =	-16.0031 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 08E-50C-I	
FLUCCs Code: 7-625-617-626-641-643-513-6		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 13.8051
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by hardwoods and flatwoods. Several wetlands nearby in all directions. Connects many large wetlands together. Hwy 663 to E <300 yds.					
Assessment Area Description: Large wooded transitional zone/floodplain inbetween four large wetlands connecting them together.					
Significant Nearby Features: Hwy 663 <300 yds to E.			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Hawk, cattle, hog, turkey vulture, heron, egret, three sandhill cranes					
Additional relevant factors: None					
Assessment conducted by: LMP/SAE				Assessment date(s): 19-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 08E-50C-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type of wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Hwy 663 <500 yds E.Surrounded by moderate or varying width of native habitat within active cattle operation.Surrounded by hardwoods.This is the center area of four larger combined wetlands. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Wildlife access to/from AA is partially limited by distance or barriers. Area Land Uses have minimal adverse impacts on wildlife.			
	w/o pres or current	with		
	7	0		
.500(7)(b) Water Environment (n/a for uplands)	Soil is moist with very small patches of standing water. Area looks to be a transitional zone/floodplain.Cattle influence Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	6	0		
.500(7)(c) Community Structure	Hardwoods throughout area, some palmettos, wetland grasses, Eupatorium, wax myrtle. Majority of plant covers is desirable plant species in all strata . Evidence of near normal regeneration/recruitment. Age/size distribution typical, may show temporary deviations. Slightly lower/higher quantity of good structural habitat (see rule for details).			
	w/o pres or current	with		
	7	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.6667 0.0000

Delta = [with-current]:
-0.6667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	13.805143
FL= delta x acres =	-9.2034 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 08E-56-I	
FLUCCs Code: 641-626		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 3.0367
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by cattle pasture (75%) and hardwoods/wetland (25%). Connected to a larger wetland					
Assessment Area Description: Herbaceous wetland dominated by Spartina and Panicum hemitomon surrounded by pasture and some hardwoods.					
Significant Nearby Features: Hwy 663 <1/2 mi E.			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Fish, cow, hog					
Additional relevant factors: None					
Assessment conducted by: SMG/Matt Wilson				Assessment date(s): 22-Sep-2011	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 08E-56-I
Impact or Mitigation Impact	Assessment conducted by: SMG/Matt Wilson	Assessment Date: 22-Sep-2011

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Hwy 663 <200 yds E. Surrounded by pasture. Connected to a larger wetland and hardwoods in NNE corner. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have significant adverse impacts on wildlife.			
	w/o pres or current	with		
	5	0		
.500(7)(b) Water Environment (n/a for uplands)	Heavy cattle and pig influence. Standing water throughout with deep center. Patches of open water. Fair zonation. No visible degradation other than cattle and pig dung. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	6	0		
.500(7)(c) Community Structure	Spartina and Andropogon on outer edge, P. hemitomom in center. Pines on E side. 1Majority of plant covers is by undesirable plant species in all strata. Very heavy grazing evident. Majority of plant covers is desirable plant species in all strata . Minimal evidence of regeneration/recruitment. Much lower/higher quantity of good structure habitat (see rule for details)			
	w/o pres or current	with		
	4	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.5000	0.0000

Delta = [with-current]:
-0.5000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	3.0367462
FL= delta x acres =	-1.5184 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 08E-58-I	
FLUCCs Code: i41-643-627-626-6415-625-51		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 12.7987
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by hardwoods and flatwoods. Several wetlands nearby in all directions. Connects to many large wetlands to N. Cattle pasture border W.					
Assessment Area Description: Herbaceous wetland dominated by Panicum hemitomon; Ludwigia in center.					
Significant Nearby Features: Hwy 663 <500 yds E			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Three sandhill cranes, hogs, egret					
Additional relevant factors: None					
Assessment conducted by: SAE/LMPSMG/Matt Wilson				Assessment date(s): 22-Sep-2011	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 08E-58-I
Impact or Mitigation Impact	Assessment conducted by: SMG/Matt Wilson	Assessment Date: 22-Sep-2011

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Hwy 663 <500 yds E. pasture borders W side, hardwoods and other wetlands in all other directions. Connects to other wetlands through transitional zone N. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Wildlife access to/from AA is partially limited by distance or barriers. Area Land Uses have minimal adverse impacts on wildlife.			
	w/o pres or current	with		
	6	0		
.500(7)(b) Water Environment (n/a for uplands)	Little zonation: Heavy cattle and pig influence. Connects to other wetlands through transitional zone N. Much of the plant community composition is characterized by species tolerant of and associated with moderate water quality degradation/alterations in inundation/saturation (freq, depth, duration). Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	6	0		
.500(7)(c) Community Structure	Scattered pines, Andropogon, xyris, maidencane, scattered pontederia and Ludwi per. Ludwi per in center. Majority of plant covers is desirable plant species in all strata. Minimal cover by invasive/exotic plant species. Evidence of near normal regeneration/recruitment. Age/size distribution typical, may show temporary deviations. Much lower/higher quantity of good structure habitat (see rule for details)			
	w/o pres or current	with		
	6	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.6000 0.0000

Delta = [with-current]:
-0.6000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	12.798699
FL= delta x acres =	-7.6792 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 08E-60-I	
FLUCCs Code: 641-643-617-627-625-513		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 10.1668
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Surrounded by hardwoods and flatwoods. Several wetlands nearby in all directions. Connects to many large wetlands.</p>					
<p>Assessment Area Description:</p> <p>Herbaceous wetland connected to many large wetlands surrounded by hardwoods and flatwood.</p>					
<p>Significant Nearby Features:</p> <p>Hwy 663 <200 yds E</p>			<p>Uniqueness (considering the relative rarity in relation to the regional landscape.)</p> <p>None</p>		
<p>Functions:</p> <p>Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.</p>			<p>Mitigation for previous permit/other historic use:</p> <p>None</p>		
<p>Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)</p> <p>Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge</p>			<p>Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area):</p> <p>Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)</p>		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>Cricket frog, egret, fish</p>					
<p>Additional relevant factors:</p> <p>None</p>					
<p>Assessment conducted by:</p> <p>SMG/Matt Wilson</p>				<p>Assessment date(s):</p> <p>22-Sep-2011</p>	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 08E-60-I
Impact or Mitigation Impact	Assessment conducted by: SMG/Matt Wilson	Assessment Date: 22-Sep-2011

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Surrounded by flatwoods and hardwoods. Surrounded by moderate or varying width of native habitat within active cattle operation. Hwy 663 < 200 yds E. Connects to other wetlands through transitional zone to W. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Wildlife access to/from AA is partially limited by distance or barriers. Area Land Uses have minimal adverse impacts on wildlife.			
	w/o pres or current	with		
	7	0		
.500(7)(b) Water Environment (n/a for uplands)	Connects to other wetlands through transitional zone. Good zonation: spartina surrounding maiden cane and pontederia mixed throughout the center. No visible degradation. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	7	0		
.500(7)(c) Community Structure	Spartina surrounding maiden cane and pontederia mixed throughout the center. Scattered Ludwi per in center. Majority of plant covers is desirable plant species in all strata. Minimal cover by invasive/exotic plant species. Slightly lower/higher quantity of good structural habitat (see rule for details). Land Management Practices generally appropriate. Topo features slightly less optimal.			
	w/o pres or current	with		
	6	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.6667 0.0000

Delta = [with-current]:
-0.6667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	10.166809
FL = delta x acres =	-6.7779 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 08E-66-I	
FLUCCs Code: 643-625-626-6415		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 1.1719
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Surrounded by hardwoods and flatwoods. Several wetlands nearby in all directions. Connects to many large wetlands. Majority of wetland out of property lines.</p>					
<p>Assessment Area Description:</p> <p>Herbaceous wetland connected to many large wetlands surrounded by hardwoods and flatwoods. Majority of wetland out of property lines.</p>					
<p>Significant Nearby Features:</p> <p>Hwy 663 <400 yds E.</p>			<p>Uniqueness (considering the relative rarity in relation to the regional landscape.)</p> <p>None</p>		
<p>Functions:</p> <p>Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.</p>			<p>Mitigation for previous permit/other historic use:</p> <p>None</p>		
<p>Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)</p> <p>Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge</p>			<p>Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area):</p> <p>Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)</p>		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>Deer tracks, armadillo hole</p>					
<p>Additional relevant factors:</p> <p>None</p>					
<p>Assessment conducted by:</p> <p>SAE/LMP</p>				<p>Assessment date(s):</p> <p>19-Jan-2005</p>	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 08E-66-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Surrounded by flatwoods, connected to a larger wetland. Within large natural area. Property line runs through center of this wetland. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Wildlife access to/from AA is partially limited by distance or barriers. Area Land Uses have minimal adverse impacts on wildlife.			
	w/o pres or current	with		
	7	0		
.500(7)(b) Water Environment (n/a for uplands)	Heavy pig influence. Fair zonation with standing water getting deeper towards center. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	5	0		
.500(7)(c) Community Structure	Wax myrtle and palmettos surround outer zone; small patch of spartina, some andropogon, Eupatorium, panicum, iris, Xyris in outer zone; Heavy spagnum, proserpinaca, hypericum in water. Majority of plant covers is desirable plant species in all strata . Slightly lower/higher quantity of good structural habitat (see rule for details). Land Management Practices generally appropriate. Topo features slightly less optimal.			
	w/o pres or current	with		
	7	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.6333 0.0000

Delta = [with-current]:
-0.6333

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	1.1718638
FL= delta x acres =	-0.7422 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

** FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.*

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 08E-82-I	
FLUCCs Code: 641		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.1924
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected to large wetland network					
Assessment Area Description: Herbaceous marsh					
Significant Nearby Features: None			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) None					
Additional relevant factors: None					
Assessment conducted by: SMG				Assessment date(s): 10-Jul-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 08E-82-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Area Land Uses have significant adverse impacts on wildlife. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Cattle influence			
	w/o pres or current	with		
	4	0		
.500(7)(c) Community Structure	Minimal evidence of regeneration/recruitment. Much lower/higher quantity of good structure habitat (see rule for details)			
	w/o pres or current	with		
	4	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.4000 0.0000

Delta = [with-current]:
-0.4000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.1923561
FL= delta x acres =	-0.0769 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 10E-02-I	
FLUCCs Code: 641-513	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 4.5773
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by cattle pasture; connected to a chain of wetlands by ditch.				
Assessment Area Description: Herbaceous wetland dominated by Juncus. Ditch runs through from NW corner to SE corner connecting a chain of wetlands				
Significant Nearby Features: Troublesome Creek <0.5 mi E		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle, hog, unidentified black snake, great egret, frogs				
Additional relevant factors:				
Assessment conducted by: LMP/SAE			Assessment date(s): 07-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 10E-02-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Surrounded by flatwoods, scattered hardwoods, and mostly pasture. Cogon grass and other nuisance/ruderal species prevalent in area. Land mgmt practices have eliminated much of the structural complexity in area. Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have significant adverse impacts on wildlife.			
	w/o pres or current	with		
	3	0		
.500(7)(b) Water Environment (n/a for uplands)	Some areas looking stagnant with heavy influence by cattle. Little zonation. Ditch from NW to SE. Part of a system surrounded by deep ditches which is affecting hydrology. Land use practices to the N are also affecting drainage into this system.			
	w/o pres or current	with		
	3	0		
.500(7)(c) Community Structure	Dominated by Juncus and pontederia. Some thalia and duckweed. Minimal evidence of regeneration/recruitment. Much lower/higher quantity of good structure habitat (see rule for details)			
	w/o pres or current	with		
	4	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.3333	0.0000

Delta = [with-current]:
-0.3333

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	4.5773025
FL= delta x acres =	-1.5258 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

** FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.*

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 10E-04-I	
FLUCCs Code: 641-6415		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.6730
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands South portion of a larger wetland					
Assessment Area Description: Herbaceous wetland surrounded by hardwoods with good zonation. Some cattle influence.					
Significant Nearby Features: Troublesome Creek 300-400 yds east.			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle, hog, deer, red-bellied woodpecker, sandhill crane.					
Additional relevant factors:					
Assessment conducted by: LMP/SAE				Assessment date(s): 07-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 10E-04-I
Impact or Mitigation Impact	Assessment conducted by: Imp/sae	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10) Condition is optimal and fully supports wetland/surface water functions	Moderate (7) Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal (4) Minimal level of support of wetland/surface water functions	Not Present (0) Condition is insufficient to provide wetland/surface water functions
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.500(7)(a) Location and Landscape Support	S portion of a larger wetland surrounded by scattered hardwoods and pasture. Cogon grass and other nuisance/ruderal species prevalent in area. Land mgmt practices have eliminated much of the structural complexity in area. Area Land Uses have significant adverse impacts on wildlife. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Standing water with cattle influence and good zonation. Part of a system surrounded by a network of deep ditches which is affecting hydrology. Land use practices to the N are also affecting drainage into this system.			
	w/o pres or current	with		
	5	0		
.500(7)(c) Community Structure	Good zonation including spartina, juncus, iris, wetland grasses and scattered hardwoods. Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species .			
	w/o pres or current	with		
	7	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.5333	0.0000

Delta = [with-current]:
-0.5333

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.6730387
FL= delta x acres =	-0.3590 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 10E-08C-I	
FLUCCs Code: 6417-630-641		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 1.6794
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>South portion of a chain of wetlands surrounded by wetlands.</p>					
<p>Assessment Area Description:</p> <p>Herbaceous wetland; Juncus and many wetland plants surrounded by Spartina. Ludwigia also dominates center. Area borders other wetlands.</p>					
<p>Significant Nearby Features:</p> <p>Troublesome Creek ~250 yds West.</p>			<p>Uniqueness (considering the relative rarity in relation to the regional landscape.)</p> <p>None</p>		
<p>Functions:</p> <p>Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.</p>			<p>Mitigation for previous permit/other historic use:</p> <p>None</p>		
<p>Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)</p> <p>Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge</p>			<p>Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area):</p> <p>Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)</p>		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>None</p>					
<p>Additional relevant factors:</p>					
<p>Assessment conducted by:</p> <p>SAE/LMP</p>				<p>Assessment date(s):</p> <p>10-Jan-2005</p>	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 10E-08C-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Cropland <25 yds S. Borders other wetlands surrounded by pasture and scattered hardwoods. Cogon grass and other nuisance/ruderal species prevalent in area. Land mgmt practices have eliminated some structural complexity in area. Area Land Uses have significant adverse impacts on wildlife. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Wildlife access to/from AA is partially limited by distance or barriers.			
	w/o pres or current	with		
	5	0		
.500(7)(b) Water Environment (n/a for uplands)	Fair zonation with spartina, juncus, and Ludwi per. Soil moist in most areas. Part of a system surrounded by a network of deep ditches which is affecting hydrology. Land use practices to the N are also affecting drainage into this system.			
	w/o pres or current	with		
	4	0		
.500(7)(c) Community Structure	Fair zonation with spartina, juncus, and cogon grass. Majority of plant covers is by undesirable plant species (invasive/exotic) in all strata .			
	w/o pres or current	with		
	4	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.4333	0.0000

Delta = [with-current]:
-0.4333

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	1.6794006
FL= delta x acres =	-0.7277 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

** FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.*

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 10E-10-I	
FLUCCs Code: 6417-641-513	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 6.6787
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands South portion of medium sized wetland surrounded by tiled cattle pasture and agricultural lands to S and E. Connects to cattle pond.				
Assessment Area Description: Heavy cattle influenced herbaceous wetland dominated by Juncus with dry soil. South portion of medium sized wetland which connects to a cattle pond to the N.				
Significant Nearby Features: Troublesome Creek 1/2 mi. W.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) American alligator, cattle egrets, cattle.				
Additional relevant factors:				
Assessment conducted by: SAE/LMP			Assessment date(s): 10-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 10E-10-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10) Condition is optimal and fully supports wetland/surface water functions	Moderate (7) Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal (4) Minimal level of support of wetland/surface water functions	Not Present (0) Condition is insufficient to provide wetland/surface water functions
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.500(7)(a) Location and Landscape Support	Surrounded by pasture and Ag lands to E and S. Connctets to cattle pond to N. Cogon grass and other nuisance/ruderal species prevalent in area. Land mgmt practices have eliminated much of the structural complexity in area. Area Land Uses have significant adverse impacts on wildlife. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I.			
	w/o pres or current	with		
	3	0		

.500(7)(b) Water Environment (n/a for uplands)	Soil dry with fair zonation including andropogon, juncus, and Panic hem. Part of a system surrounded by a network of deep ditches which is affecting hydrology. Land use practices to the N are also affecting drainage into this system.			
	w/o pres or current	with		
	4	0		

.500(7)(c) Community Structure	fair zonation including andropogon, juncus, wax myrtle, and Panic hem. Much lower/higher quantity of good structure habitat (see rule for details) Minimal cover by invasive/exotic plant species .			
	w/o pres or current	with		
	5	0		

Score = sum of above scores/30 (if uplands, divide by 20)		
0.4000		0.0000

Delta = [with-current]:
-0.4000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	6.6786809
FL= delta x acres =	-2.6715 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 10E-12-I	
FLUCCs Code: 641-6415	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.4844
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Hydrologically Isolated but deemed jurisdictional in the 2012 USACE Jurisdictional Verification. Surrounded by cattle pasture. ~25 yards North of nearest wetland.				
Assessment Area Description: This is a 0.48-acre herbaceous wetland dominated by Juncus. Dry at time of assessment with cattle influence.				
Significant Nearby Features: ~400 yds W of Troublesome Creek.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle, hog				
Additional relevant factors:				
Assessment conducted by: LMP/SAE			Assessment date(s): 07-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 10E-12-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Surrounded by pasture and scattered hardwoods. Cogon grass and other nuisance/ruderal species prevalent in area. Land mgmt practices have eliminated much of the structural complexity in area . Area Land Uses have significant adverse impacts on wildlife. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I.			
	w/o pres or current	with		
	3	0		
.500(7)(b) Water Environment (n/a for uplands)	Dry at TOA with cattle influence. Part of a system surrounded by a network of deep ditches which is affecting hydrology. Land use practices to the N are also affecting drainage into this system.			
	w/o pres or current	with		
	2	0		
.500(7)(c) Community Structure	Dominated by Juncus. Much lower/higher quantity of good structure habitat (see rule for details) No evidence of regeneration/recruitment.			
	w/o pres or current	with		
	2	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.2333	0.0000

Delta = [with-current]:
-0.2333

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.4843611
FL= delta x acres =	-0.1130 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 10E-14-I	
FLUCCs Code: 617-512	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 2.1656
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Part of the Troublesome Creek ditched floodplain wetland system.				
Assessment Area Description: Assessment Area is Troublesome Creek floodplain wetland with lots of Pontederia.				
Significant Nearby Features: AA is Troublesome Creek.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle				
Additional relevant factors:				
Assessment conducted by: LMP/SAE			Assessment date(s): 10-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 10E-14-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Ag land ~ 100 yds E. Cogon grass and other nuisance/ruderal species prevalent in area. Land mgmt practices have eliminated much of the structural complexity in area . Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Area Land Uses have significant adverse impacts on wildlife. Wildlife access to/from AA is partially limited by distance or barriers.			
	w/o pres or current	with		
	5	0		
.500(7)(b) Water Environment (n/a for uplands)	AA is part of troublesome creek ditched floodplain. Appears stagnant with some algae growth and cattle influence. Part of a system surrounded by a ditches which affect hydrology. Land use practices are also affecting drainage into this system.			
	w/o pres or current	with		
	5	0		
.500(7)(c) Community Structure	Pontederia and other wetland grasses with some algae growth. Moderate degree of siltation/algal growth to impede submerged aquatic plant growth. Majority of plant covers is desirable plant species in all strata .			
	w/o pres or current	with		
	6	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.5333	0.0000

Delta = [with-current]:
-0.5333

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	2.1656086
FL= delta x acres =	-1.1550 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 10E-18-I	
FLUCCs Code: 617-6417	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.8533
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by hardwoods and wetlands. Agricultural lands border southern tip.				
Assessment Area Description: Forested upland area without any water surrounded by hardwoods and wetlands. Agricultural lands border southern tip.				
Significant Nearby Features: Troublesome Creek 200 yds W.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle, hog				
Additional relevant factors:				
Assessment conducted by: LMP/SAE			Assessment date(s): 10-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 10E-18-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Surrounded by herb. wetlands on E and scattered hardwoods on W. Borders cropland at S. Troublesome creek ~200 yds to W. Cogon grass and other nuisance/ruderal species prevalent. Land mgmt practices have reduced structural complexity in area . Wildlife access to/from AA is substantially limited, by distance or barriers.			
	w/o pres or current	with		
	6	0		
.500(7)(b) Water Environment (n/a for uplands)	No water; possible upland/hardwoods area. Part of a system surrounded by a network of deep ditches which is affecting hydrology. Land use practices to the N are also affecting drainage into this system.			
	w/o pres or current	with		
	2	0		
.500(7)(c) Community Structure	Hardwoods area bordering wetland. Minimal cover by invasive/exotic plant species . Age/size distribution typical, may show temporary deviations.			
	w/o pres or current	with		
	6	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.4667 0.0000

Delta = [with-current]:
-0.4667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.8532951
FL= delta x acres =	-0.3982 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 10E-20A-I	
FLUCCs Code: 617-641	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 7.0962
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands E portion of a chain of wetlands surrounded by hardwoods. Cropland ~100 yds S. Borders pasture to NE.				
Assessment Area Description: Forested wetland dominated by Juncus on far W side of AA.				
Significant Nearby Features: Troublesome Creek ~300 W		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle, hog				
Additional relevant factors:				
Assessment conducted by: LMP/SAE			Assessment date(s): 10-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 10E-20A-I
Impact or Mitigation Impact	Assessment conducted by: Imp/sae/smg	Assessment Date: 10-Jan-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Surrounded by hardwoods on N, E, and S w/ pasture <100 yds NE. Borders wetland on W side. Cogon grass and other nuisance/ruderal species prevalent in area. Land mgmt practices have eliminated much of the structural complexity in area. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Area Land Uses have significant adverse impacts on wildlife. Wildlife access to/from AA is partially limited by distance or barriers.			
	w/o pres or current	with		
	5	0		
.500(7)(b) Water Environment (n/a for uplands)	Soggy soil throughout with minimal standing water. Part of a system surrounded by a network of deep ditches which is affecting hydrology. Land use practices to the N are also affecting drainage into this system.			
	w/o pres or current	with		
	4	0		
.500(7)(c) Community Structure	Wetland plants cover AA with some evidence of cut trees. Much lower/higher quantity of good structure habitat (see rule for details) Minimal cover by invasive/exotic plant species .			
	w/o pres or current	with		
	6	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.5000 0.0000

Delta = [with-current]:
-0.5000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	7.0962037
FL= delta x acres =	-3.5481 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 10E-20B-I	
FLUCCs Code: 630-617		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.3461
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>South portion of a chain of wetlands surrounded by hardwoods. Borders cropland at southern most tip.</p>					
<p>Assessment Area Description:</p> <p>Forested wetland connected to a chain of wetlands. No water at time of assessment. Many wetlands in vicinity.</p>					
<p>Significant Nearby Features:</p> <p>Troublesome Creek ~500 yds W.</p>			<p>Uniqueness (considering the relative rarity in relation to the regional landscape.)</p> <p>None</p>		
<p>Functions:</p> <p>Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.</p>			<p>Mitigation for previous permit/other historic use:</p> <p>None</p>		
<p>Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)</p> <p>Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge</p>			<p>Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area):</p> <p>Wading birds foraging (SSC by FFWCC)</p>		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>Cattle, hog</p>					
<p>Additional relevant factors:</p>					
<p>Assessment conducted by:</p> <p>LMP/SAE</p>				<p>Assessment date(s):</p> <p>10-Jan-2005</p>	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 10E-20B-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10) Condition is optimal and fully supports wetland/surface water functions	Moderate (7) Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal (4) Minimal level of support of wetland/surface water functions	Not Present (0) Condition is insufficient to provide wetland/surface water functions
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.500(7)(a) Location and Landscape Support	Surrounded by wetlands and hardwoods. Cropland borders S tip of AA. Cogon grass and other nuisance/ruderal species prevalent in area. Land mgmt practices have eliminated much of the structural complexity in area. Wildlife access to/from AA is substantially limited, by distance or barriers. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I.			
	w/o pres or current	with		
	5	0		
.500(7)(b) Water Environment (n/a for uplands)	No water; possible upland forested area. Part of a system surrounded by a network of deep ditches which is affecting hydrology. Land use practices to the N are also affecting drainage into this system.			
	w/o pres or current	with		
	2	0		
.500(7)(c) Community Structure	Surrounded by hardwoods; forested area with many cut hardwood tree stumps in area. Borders wetland. Land Management Practices resulted in partial removal/alteration of natural structures, add some artificial features. Majority of plant covers is desirable plant species in all strata .			
	w/o pres or current	with		
	6	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.4333 0.0000

Delta = [with-current]:
-0.4333

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.3460581
FL= delta x acres =	-0.1500 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

** FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.*

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 10E-22-I	
FLUCCs Code: 641-617		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 1.6218
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by a forested wetland connected to a chain of wetlands.					
Assessment Area Description: Deep herbaceous wetland surrounded by a forested wetland.					
Significant Nearby Features: Troublesome Creek 1/4 mi. W			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle, hog, unidentified frog, birds					
Additional relevant factors:					
Assessment conducted by: SAW/LMP				Assessment date(s): 10-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 10E-22-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Surrounded by forested wetland connected to a chain of wetlands. Cropland ~200 yds S. Cogon grass and other nuisance/ruderal species prevalent in area. Land mgmt practices have eliminated much of the structural complexity in area. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Area Land Uses have significant adverse impacts on wildlife. Wildlife access to/from AA is partially limited by distance or barriers.			
	w/o pres or current	with		
	5	0		
.500(7)(b) Water Environment (n/a for uplands)	Algae covering surface in most areas. Water > 5" deep in all areas. Part of a system surrounded by a network of deep ditches which is affecting hydrology. Land use practices to the N are also affecting drainage into this system.			
	w/o pres or current	with		
	4	0		
.500(7)(c) Community Structure	Pontederia covers entire wetland, however all vegetation was dead. Much lower/higher quantity of good structure habitat (see rule for details) Minimal cover by invasive/exotic plant species .			
	w/o pres or current	with		
	5	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.4667 0.0000

Delta = [with-current]:
-0.4667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	1.6218378
FL= delta x acres =	-0.7569 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 10E-28-I	
FLUCCs Code: 641-513	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 5.4387
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by cattle pasture with some scattered hardwoods.				
Assessment Area Description: Herbaceous wetland dominated by Juncus surrounded by cattle pasture. A ditch runs through at NW corner downstream to the SE corner connecting wetland with many other wetlands.				
Significant Nearby Features: Within the historic headwaters to Troublesome Creek that has now been ditched and fragmented.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle, hog, great egret, frog, cattle egret				
Additional relevant factors:				
Assessment conducted by: LMP/SAE			Assessment date(s): 07-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 10E-28-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	surrounded by woodland pasture. Ditched from the NW corner to the SE corner connecting it to wetlands. Cogon grass and other nuisance/ruderal species prevalent. Land mgmt practices have eliminated much of the structural complexity in area . Area Land Uses have significant adverse impacts on wildlife. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I.			
	w/o pres or current	with		
	3	0		
.500(7)(b) Water Environment (n/a for uplands)	Standing water with no zonation and heavy cattle influence. A ditch runs NW to SE. Stagnant. Part of a system surrounded by a network of ditches which is affecting hydrology. Land use practices to the N are also affecting drainage into this system.			
	w/o pres or current	with		
	4	0		
.500(7)(c) Community Structure	Dominated by juncus with some pontederia, thalia, and duckweed. Much lower/higher quantity of good structure habitat (see rule for details)			
	w/o pres or current	with		
	3	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.3333 0.0000

Delta = [with-current]:
-0.3333

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	5.4386818
FL= delta x acres =	-1.8129 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

** FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.*

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 10E-30-I	
FLUCCs Code: 6415-641	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.4960
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Surrounded by cattle pasture and connected through agriculturally modified wetlands to Troublesome Creek. ~25 yards North of nearest wetland.</p>				
<p>Assessment Area Description:</p> <p>This is a 0.50-acre herbaceous wetland dominated by Juncus. Dry at time of assessment with cattle influence.</p>				
<p>Significant Nearby Features:</p> <p>~400 yards West of Troublesome Creek.</p>		<p>Uniqueness (considering the relative rarity in relation to the regional landscape.)</p> <p>None</p>		
<p>Functions:</p> <p>Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.</p>		<p>Mitigation for previous permit/other historic use:</p> <p>None</p>		
<p>Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)</p> <p>Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge</p>		<p>Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area):</p> <p>Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)</p>		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>Cattle, hog</p>				
<p>Additional relevant factors:</p>				
<p>Assessment conducted by:</p> <p>LMP/SAE</p>			<p>Assessment date(s):</p> <p>07-Jan-2005</p>	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 10E-30-I
Impact or Mitigation Impact	Assessment conducted by: Imp/sae/smg	Assessment Date: 07-Jan-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Surrounded by pasture and scattered hardwoods. Cogon grass and other nuisance/ruderal species prevalent in area. Land mgmt practices have eliminated much of the structural complexity in area . Area Land Uses have significant adverse impacts on wildlife. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I.			
	w/o pres or current	with		
	3	0		
.500(7)(b) Water Environment (n/a for uplands)	Dry at TOA with cattle influence. Part of a system surrounded by a network of deep ditches which is affecting hydrology. Land use practices to the N are also affecting drainage into this system.			
	w/o pres or current	with		
	2	0		
.500(7)(c) Community Structure	Dominated by Juncus. No evidence of regeneration/recruitment. Majority of plant covers is by undesirable plant species (invasive/exotic) in all strata .			
	w/o pres or current	with		
	2	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.2333	0.0000

Delta = [with-current]:
-0.2333

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.4960342
FL= delta x acres =	-0.1157 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 10E-32-I	
FLUCCs Code: 641-617-513-512	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 1.2785
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by hardwoods; Troublesome creek flows downstream on E side.				
Assessment Area Description: Troublesome Creek floodplain wetland surrounded by flatwoods and hardwoods.				
Significant Nearby Features: Troublesome Creek		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Sandhill crane nesting (SSC by FFWCC), American alligator (T by FWS), woodstork		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Fish, Flock of Ibis, Great egret, Great blue heron,				
Additional relevant factors:				
Assessment conducted by: LMP/SAE			Assessment date(s): 10-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 10E-32-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Forested Troublesome creek runs through on E side of area. Borders woodland pasture. Large cropland ~300 yds E. Cogon grass and other nuisance/ruderal species prevalent in area. Land mgmt practices have reduced structural complexity in area . Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Area Land Uses have significant adverse impacts on wildlife. Wildlife access to/from AA is partially limited by distance or barriers.			
	w/o pres or current	with		
	5	0		
.500(7)(b) Water Environment (n/a for uplands)	Troublesome creek flows through area with some significant algal growth on surface. Part of a system surrounded by a network of deep ditches which is affecting hydrology. Land use practices to the N are also affecting drainage into this system.			
	w/o pres or current	with		
	5	0		
.500(7)(c) Community Structure	Forested area with heavy Smilax found. Many birds seen in area. Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species .			
	w/o pres or current	with		
	7	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.5667 0.0000

Delta = [with-current]:
-0.5667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	1.2785078
FL= delta x acres =	-0.7245 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 10E-40-I	
FLUCCs Code: 641-6417-6415-643		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 15.8463
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by cattle pasture. Agricultural land borders S side of wetland.					
Assessment Area Description: Large herbaceous wetland surrounded by cattle pasture.					
Significant Nearby Features: Troublesome Creek ~1/2 mi E.			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle, hog, great egret, deer, great blue heron, little blue heron.					
Additional relevant factors:					
Assessment conducted by: LMP/SAE				Assessment date(s): 07-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 10E-40-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Surrounded by pasture; Ag land to S. Troublesome creek <1/2 mi to E. Cogon grass and other nuisance/ruderal species prevalent in area. Land mgmt practices have eliminated much of the structural complexity in area. Area Land Uses have significant adverse impacts on wildlife. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Standing water with no zonation and heavy cattle influence. Part of a system surrounded by a network of deep ditches which is affecting hydrology. Land use practices to the N are affecting drainage into this system.			
	w/o pres or current	with		
	3	0		
.500(7)(c) Community Structure	Dominated by Juncus. Much lower/higher quantity of good structure habitat (see rule for details) No evidence of regeneration/recruitment.			
	w/o pres or current	with		
	2	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.3000 0.0000

Delta = [with-current]:
-0.3000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	15.846332
FL= delta x acres =	-4.7539 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 10E-44-I	
FLUCCs Code: 641-6415	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 1.1910
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by cattle pasture. Agricultural land <100 yds S. Connects to chain of wetlands.				
Assessment Area Description: Hydrologically connected herbaceous wetland with heavy cattle influence. Water flows downstream at SE corner.				
Significant Nearby Features: Troublesome Creek		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle, hog, deer				
Additional relevant factors:				
Assessment conducted by: LMP/SAE			Assessment date(s): 07-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 10E-44-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Surrounded by pasture; Ag. lands <100 yds S.Narrow buffer of native veg, limited habitat outside immediate vicinity. Cogon grass and other nuisance/ruderal species prevalent in area. Land mgmt practices have reduced the structural complexity in area . Area Land Uses have significant adverse impacts on wildlife. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Fair zonation with heavy cattle influence. Part of a system surrounded by a network of deep ditches which is affecting hydrology. Land use practices to the N are also affecting drainage into this system.			
	w/o pres or current	with		
	4	0		
.500(7)(c) Community Structure	Dominated by juncus and thalia. Much lower/higher quantity of good structure habitat (see rule for details)			
	w/o pres or current	with		
	3	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.3667 0.0000

Delta = [with-current]:
-0.3667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	1.1909743
FL= delta x acres =	-0.4367 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 10E-45-I	
FLUCCs Code: 617-6415-511-641		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.4658
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Discharges into Troublesome Creek					
Assessment Area Description: Hardwood swamp					
Significant Nearby Features: Troublesome Creek			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) None					
Additional relevant factors: None					
Assessment conducted by: SMG			Assessment date(s): 10-Jul-2009		

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 10E-45-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Narrow buffer of native vegetation, but limited habitat outside the immediate vicinity. Little surrounding upland habitat available. Cogon grass and other nuisance/ruderal species prevalent in area. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Area Land Uses have significant adverse impacts on wildlife. Wildlife access to/from AA is partially limited by distance or barriers.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Part of a system surrounded by a network of deep ditches which is affecting hydrology. Land use practices to the N are also affecting drainage into this system.			
	w/o pres or current	with		
	1	0		
.500(7)(c) Community Structure	Much lower/higher quantity of good structure habitat (see rule for details) Minimal cover by invasive/exotic plant species .			
	w/o pres or current	with		
	5	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.3333	0.0000

Delta = [with-current]:
-0.3333

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.4657670
FL= delta x acres =	-0.1553 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

** FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.*

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 10E-46-I	
FLUCCs Code: 617		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 1.6988
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Connects a chain of wetlands which connects with Troublesome creek surrounded by cattle pasture. Cropland directly to S.</p>					
<p>Assessment Area Description:</p> <p>Forested wetland connecting a chain of wetlands which connects with Troublesome Creek surrounded by cattle pasture.</p>					
Significant Nearby Features: Troublesome Creek			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Armadillo, cattle, hog					
Additional relevant factors:					
Assessment conducted by: LMP/SAE				Assessment date(s): 07-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 10E-46-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Forested wetland connecting a chain of wetlands to troublesome creek surrounded by woodland pasture. Cropland to S. Narrow buffer of native veg, limited habitat outside immediate vicinity. Cogon grass and other nuisance/ruderal species prevalent in area. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Area Land Uses have significant adverse impacts on wildlife. Wildlife access to/from AA is partially limited by distance or barriers.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Connects wetlands and troublesome creek. Heavy cattle influence. Dry at TOA. Part of a system surrounded by a network of deep ditches which is affecting hydrology. Land use practices to the N are also affecting drainage into this system.			
	w/o pres or current	with		
	2	0		
.500(7)(c) Community Structure	Forested area dominated by Sauru cer. Much lower/higher quantity of good structure habitat (see rule for details) Minimal cover by invasive/exotic plant species .			
	w/o pres or current	with		
	5	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.3667 0.0000

Delta = [with-current]:
-0.3667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	1.6987581
FL= delta x acres =	-0.6229 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 10E-47-I	
FLUCCs Code: 6417	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.0467
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected off-site				
Assessment Area Description: Herbaceous marsh				
Significant Nearby Features: Troublesome Creek		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) None				
Additional relevant factors: None				
Assessment conducted by: SMG			Assessment date(s): 10-Jul-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 10E-47-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Narrow buffer of native vegetation, but limited habitat outside the immediate vicinity. Little surrounding upland habitat available. Cogon grass and other nuisance/ruderal species prevalent in area. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Area Land Uses have significant adverse impacts on wildlife. Wildlife access to/from AA is partially limited by distance or barriers.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Part of a system surrounded by a network of deep ditches which is affecting hydrology. Land use practices to the N are also affecting drainage into this system.			
	w/o pres or current	with		
	1	0		
.500(7)(c) Community Structure	Much lower/higher quantity of good structure habitat (see rule for details) Minimal cover by invasive/exotic plant species .			
	w/o pres or current	with		
	5	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.3333	0.0000

Delta = [with-current]:
-0.3333

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.0467388
FL= delta x acres =	-0.0156 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 10E-49-I	
FLUCCs Code: 617-512		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.2802
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Discharges into Troublesome Creek					
Assessment Area Description: Hardwood swamp					
Significant Nearby Features: Troublesome Creek			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) None					
Additional relevant factors: None					
Assessment conducted by: SMG				Assessment date(s): 10-Jul-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 10E-49-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Narrow buffer of native vegetation, but limited habitat outside the immediate vicinity. Little surrounding upland habitat available. Cogon grass and other nuisance/ruderal species prevalent in area. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Area Land Uses have significant adverse impacts on wildlife. Wildlife access to/from AA is partially limited by distance or barriers.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Part of a system surrounded by a network of deep ditches which is affecting hydrology. Land use practices to the N are also affecting drainage into this system.			
	w/o pres or current	with		
	1	0		
.500(7)(c) Community Structure	Much lower/higher quantity of good structure habitat (see rule for details) Minimal cover by invasive/exotic plant species .			
	w/o pres or current	with		
	5	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.3333	0.0000

Delta = [with-current]:
-0.3333

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.2802002
FL= delta x acres =	-0.0934 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 10E-52-I	
FLUCCs Code: 6417	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.1953
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by hardwoods; cropland to E <50 yds. Troublesome creek <50 yds W.				
Assessment Area Description: Herbaceous wetland; dry at time of assessment. Property line borders E and S sides.				
Significant Nearby Features: Troublesome Creek		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle				
Additional relevant factors:				
Assessment conducted by: LMP/SAE			Assessment date(s): 10-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 10E-52-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Surrounded by hardwoods w/some cattle influence. Large cropland S & E of area. pasture <100 yds NW. Narrow buffer of native veg, limited habitat outside immediate vicinity. Land mgmt practices have eliminated much of the structural complexity in area . Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Area Land Uses have significant adverse impacts on wildlife. Wildlife access to/from AA is partially limited by distance or barriers.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Dry at TOA; no evidence of existing wetland/possible upland area only. Part of a system surrounded by a network of deep ditches which is affecting hydrology. Land use practices to the N are also affecting drainage into this system. Water levels and flow moderately higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	4	0		
.500(7)(c) Community Structure	Large amount of smilax. Hardwoods. Age/size distribution typical, may show temporary deviations. Majority of plant covers is by undesirable plant species (invasive/exotic) in all strata .			
	w/o pres or current	with		
	5	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.4333	0.0000

Delta = [with-current]:
-0.4333

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.1952960
FL= delta x acres =	-0.0846 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

** FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.*

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 10W-04-I	
FLUCCs Code: 6415-641-6417-513	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 2.6162
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by pasture. Connected to two other wetlands via ditches.				
Assessment Area Description: Ditch drains into the wetland on the NE from another wetland and a ditch drains out on the SE to another wetland. Stagnant water with oil sheen.				
Significant Nearby Features: None		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC), possible American alligator (T by FWS)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Little green frog, cow, hog, leopard frog				
Additional relevant factors:				
Assessment conducted by: LMP/SAE			Assessment date(s): 30-Dec-2004	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 10W-04-I
Impact or Mitigation Impact	Assessment conducted by: LMP/SAE	Assessment Date: 30-Dec-2004

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	No habitats outside AA provide support for wildlife in Pt. I. Area Land Uses have severe adverse impacts on wildlife. Wildlife access to/from AA is substantially limited, by distance or barriers.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Oil sheen on surface. Water is stagnant. No zonation. Connected to wetlands via ditches. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Direct observation of standing water indicates significant water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	2	0		
.500(7)(c) Community Structure	Dominated by Juncus. Some Myric cer. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Land Management Practices resulted in partial removal/alteration of natural structures, add some artificial features.			
	w/o pres or current	with		
	3	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.3000 0.0000

Delta = [with-current]:
-0.3000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	2.616232
FL= delta x acres =	-0.7849 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 10W-05-I	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.0813
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected by ditch to other wetlands				
Assessment Area Description: Herbaceous marsh				
Significant Nearby Features: None		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) None				
Additional relevant factors: None				
Assessment conducted by: SMG			Assessment date(s): 10-Jul-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 10W-05-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Area Land Uses have severe adverse impacts on wildlife. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Heavy cattle influence. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area.			
	w/o pres or current	with		
	2	0		
.500(7)(c) Community Structure	Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Much lower/higher quantity of good structure habitat (see rule for details) No evidence of regeneration/recruitment.			
	w/o pres or current	with		
	2	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.2667 0.0000

Delta = [with-current]:
-0.2667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.0812814
FL= delta x acres =	-0.0217 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 10W-09-I	
FLUCCs Code: 6415	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.2372
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected by ditch to other wetlands				
Assessment Area Description: Herbaceous marsh				
Significant Nearby Features: None		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) None				
Additional relevant factors: None				
Assessment conducted by: SMG			Assessment date(s): 10-Jul-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 10W-09-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10) Condition is optimal and fully supports wetland/surface water functions	Moderate (7) Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal (4) Minimal level of support of wetland/surface water functions	Not Present (0) Condition is insufficient to provide wetland/surface water functions
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.500(7)(a) Location and Landscape Support	Area Land Uses have severe adverse impacts on wildlife. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Heavy cattle influence. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area.			
	w/o pres or current	with		
	2	0		
.500(7)(c) Community Structure	Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Much lower/higher quantity of good structure habitat (see rule for details) No evidence of regeneration/recruitment.			
	w/o pres or current	with		
	2	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.2667 0.0000

Delta = [with-current]:
-0.2667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.237213
FL= delta x acres =	-0.0633 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 10W-18-I	
FLUCCs Code: 641-6415	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.8001
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Completely surrounded by pasture. Ditch drains into wetland from the North.				
Assessment Area Description: Herbaceous wetland dominated by Juncus with heavy cow influence.				
Significant Nearby Features: None		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Little grass frog				
Additional relevant factors:				
Assessment conducted by: SAE/LMP			Assessment date(s): 30-Dec-2004	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 10W-18-I
Impact or Mitigation Impact	Assessment conducted by: SAE/LMP	Assessment Date: 30-Dec-2004

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Little native available outside AA. Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have significant adverse impacts on wildlife.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Heavy cattle influence. Ditch connects another wetland to this wetland. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow. Vegetation or benthic community zonation in most strata inappropriate for TOS. Direct observation of standing water indicates significant water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	2	0		
.500(7)(c) Community Structure	Lower quality of good structural habitat. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Land Management Practices resulted in partial removal/alteration of natural structures, add some artificial features.			
	w/o pres or current	with		
	3	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.3000 0.0000

Delta = [with-current]:
-0.3000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.8001363
FL= delta x acres =	-0.2400 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 10W-20-I	
FLUCCs Code: 617		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 2.1542
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Connected to a ditch at NE corner which connects to other larger wetlands. Connected to a natural stream at SE corner which flows into other wetlands to the South. Surrounded by pasture with flatwoods/hardwoods 50 yards South.</p>					
<p>Assessment Area Description:</p> <p>Forested wetland with an associated flowway. Pasture and upstream/downstream ditches altered flowways. This appears to be one of few cattle-gathering areas in this pasture.</p>					
Significant Nearby Features: None			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC), Gopher frog habitat (SSC by FFWCC)		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>Cattle, hog, small birds, frogs</p>					
Additional relevant factors:					
Assessment conducted by: SMG/JJB				Assessment date(s): 30-Sep-2011	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 10W-20-I
Impact or Mitigation Impact	Assessment conducted by: SMG/JJB	Assessment Date: 30-Sep-2011

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Area Land Uses have significant adverse impacts on wildlife. Discharges from AA significant to downstream areas, which could suffer substantial adverse impacts if quality/quantity were altered. Wildlife access to/from AA is substantially limited, by distance or barriers. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA.			
	w/o pres or current	with		
	5	0		
.500(7)(b) Water Environment (n/a for uplands)	Incoming ditch from N. Natural stream on SE corner flows out. Cattle/pig influence. Regional ditching and surrounding detrimental land mgmt activities. Appears to be one of few summer cattle gathering points in this pasture, high amt of algae. Much of the plant community composition is characterized by species tolerant of and associated with moderate water quality degradadon/alterations in inundation/saturation (freq, depth, duration).			
	w/o pres or current	with		
	5	0		
.500(7)(c) Community Structure	Dominated by oaks. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished structure. Majority of plant cover is desirable plant species in all strata, however groundcover is minimal because of shading and cattle trampling. Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species .			
	w/o pres or current	with		
	7	0		

Score = sum of above scores/30 (if uplands, divide by 20)		
0.5667		0.0000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

For impact assessment areas	
Area Size (ac) =	2.1542094
FL= delta x acres =	-1.2207 *

Delta = [with-current]:
-0.5667

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 10W-22-I	
FLUCCs Code: 626-617-641-643-513	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 1.8840
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Surrounded by flatwoods. Connected to a larger wetland. Natural stream flows out from East side to another wetland. Cattle pasture ~200 yards North.</p>				
<p>Assessment Area Description:</p> <p>Ditched wetland with Spartina on the outer zone and Juncus and Xyrus in the inner zone.</p>				
Significant Nearby Features: None		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC), Sandhill crane (SSC by FFWCC), Gopher frog habitat (SSC by FFWCC)		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>Little grass frog, pileated woodpecker, hogs, mocking bird</p>				
Additional relevant factors:				
Assessment conducted by: SAE/LMP			Assessment date(s): 29-Dec-2004	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 10W-22-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type of wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Wildlife access to/from AA is partially limited by distance or barriers. Area Land Uses have minimal adverse impacts on wildlife.			
	w/o pres or current	with		
	8	0		
.500(7)(b) Water Environment (n/a for uplands)	Fair zonation. Some pig influence. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen. Water levels and flow slightly higher/lower than appropriate considering natural variation.			
	w/o pres or current	with		
	8	0		
.500(7)(c) Community Structure	Spartina surrounds wetland grasses. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Minimal cover by invasive/exotic plant species. Majority of plant covers is desirable plant species in all strata.			
	w/o pres or current	with		
	7	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.7667 0.0000

Delta = [with-current]:
-0.7667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	1.8840292
FL= delta x acres =	-1.4444 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 10W-24-I	
FLUCCs Code: 641-617		Further Classification: N/A		Impact or Mitigation Site? Impact	
				Assessment Area Size (ac): 0.8428	
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class		Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A	
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by flatwoods. Pasture 200 yards North. Connected to other wetlands to the South.</p>					
<p>Assessment Area Description: Herbaceous wetland dominated by Juncus on outer zone and Juncus and Xyrus on the inner zone.</p>					
Significant Nearby Features: None			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Gopher frog habitat (SSC by FFWCC), Wading birds foraging (SSC by FFWCC), Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Little grass frog, hogs					
Additional relevant factors:					
Assessment conducted by: SAE/LMP				Assessment date(s): 29-Dec-2004	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 10W-24-I
Impact or Mitigation Impact	Assessment conducted by: SAE/LMP	Assessment Date: 29-Dec-2004

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Connected to other wetlands and surrounded by flatwoods. pasture 200 yards N. Wildlife access to/from AA is partially limited by distance or barriers. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Area Land Uses have minimal adverse impacts on wildlife.			
	w/o pres or current	with		
	8	0		
.500(7)(b) Water Environment (n/a for uplands)	Fair zonation. Minimal WQ degradation. Little or no exotic species. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area.			
	w/o pres or current	with		
	8	0		
.500(7)(c) Community Structure	Fair zonation. Dominated by Spartina, Xyrus and Juncus. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Minimal cover by invasive/exotic plant species.			
	w/o pres or current	with		
	7	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.7667 0.0000

Delta = [with-current]:
-0.7667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.8427971
FL= delta x acres =	-0.6461 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 10W-26-I	
FLUCCs Code: 617-643-511-641	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 3.5347
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by flatwoods. Pasture 200 yards North. Connected to wetlands to the N, W, SE, and E.				
Assessment Area Description: Forested wetland dominated by pines, oaks and weland grasses.				
Significant Nearby Features: Pasture/Agricultural road ~500' North and project boundary ~500' West.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Pig, deer, tree frog				
Additional relevant factors:				
Assessment conducted by: SAE/LMP			Assessment date(s): 29-Dec-2004	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 10W-26-I
Impact or Mitigation Impact	Assessment conducted by: SAE/LMP	Assessment Date: 29-Dec-2004

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Wildlife access to/from AA is partially limited by distance or barriers. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Area Land Uses have minimal adverse impacts on wildlife. No invasive/exotic spp. present in proximity of AA.			
	w/o pres or current	with		
	8	0		
.500(7)(b) Water Environment (n/a for uplands)	Cattle and pig influence. Sphagnum moss found. All plant species tolerant of inundation. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen. Vegetation shows no signs of hydrologic stress. Water levels and flow slightly higher/lower than appropriate considering natural variation.			
	w/o pres or current	with		
	8	0		
.500(7)(c) Community Structure	Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Age/size distribution typical, may show temporary deviations. No invasive/ exotic species. Evidence of near normal regeneration/recruitment. Majority of plant covers is desirable plant species in all strata. Land Management Practices resulted in partial removal/alteration of natural structures, add some artificial features.			
	w/o pres or current	with		
	8	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.8000	0.0000

Delta = [with-current]:
-0.8000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	3.5346586
FL= delta x acres =	-2.8277 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 10W-28-I	
FLUCCs Code: 617		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.6415
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by flatwoods. Cattle pasture is 200 yards North. 150 yards West of cattle pond.					
Assessment Area Description: Forested wetland with no zonation. Up to 1 foot deep in some areas.					
Significant Nearby Features: None			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Little grass frog, armadillo, deer, owl					
Additional relevant factors:					
Assessment conducted by: SAE/LMP				Assessment date(s): 29-Dec-2004	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 10W-28-I
Impact or Mitigation Impact	Assessment conducted by: SAE/LMP	Assessment Date: 29-Dec-2004

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Connected to other wetlands. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Wildlife access to/from AA is partially limited by distance or barriers. Area Land Uses have minimal adverse impacts on wildlife.			
	w/o pres or current	with		
	8	0		
.500(7)(b) Water Environment (n/a for uplands)	Connected to another wetland in NW corner. No zonation. Minimal cattle influence. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area.			
	w/o pres or current	with		
	8	0		
.500(7)(c) Community Structure	Vegetation is scattered, not dense. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Majority of plant covers is desirable plant species in all strata. Minimal cover by invasive/exotic plant species. Land Management Practices generally appropriate.			
	w/o pres or current	with		
	7	0		

Score = sum of above scores/30 (if uplands, divide by 20)		
0.7667		0.0000

Delta = [with-current]:
-0.7667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.6415416
FL= delta x acres =	-0.4918 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 10W-32-I	
FLUCCs Code: 630		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.7017
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by flatwoods and hardwoods					
Assessment Area Description: Sparsely forested wetland					
Significant Nearby Features: None			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)Gopher frog habitat (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Loggerhead shrike, cattle, robin					
Additional relevant factors: Heavy rainfall within last 48 hours					
Assessment conducted by: SCR/AMF				Assessment date(s): 01-Mar-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 10W-32-I
Impact or Mitigation Impact	Assessment conducted by: SCR/AMF	Assessment Date: 01-Mar-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10) Condition is optimal and fully supports wetland/surface water functions	Moderate (7) Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal (4) Minimal level of support of wetland/surface water functions	Not Present (0) Condition is insufficient to provide wetland/surface water functions
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.500(7)(a) Location and Landscape Support	surrounded by hardwoods and flatwoods natural stream flows through the wetland closest pasture approximately 160 yds to the N some cattle influence. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Discharges from AA significant to downstream areas, which could suffer substantial adverse impacts if quality/quantity were altered. Area Land Uses have minimal adverse impacts on wildlife.			
	w/o pres or current	with		
	8	0		
.500(7)(b) Water Environment (n/a for uplands)	Water deeper than usually is at this time due to recent rains. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	6	0		
.500(7)(c) Community Structure	dominated by Juncus, smartweed, Andropogon, some wax myrtles, canopy of slash pine, Fraxinus sparsely vegetated- may not provide optimal support for fish and wildlife. Grazing and lack of land maintenance have diminished community structure. Evidence of near normal regeneration/recruitment. Minor degree of siltation/algal growth to impede submerged aquatic plant growth. No invasive/ exotic species. Age/size distribution typical, may show temporary deviations.			
	w/o pres or current	with		
	7	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.7000 0.0000

Delta = [with-current]:
-0.7000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.7016896
FL= delta x acres =	-0.4912 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 10W-36-I	
FLUCCs Code: 630-6415-641-511		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 5.1299
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Stream connects to other wetlands, surrounded by hardwoods, but pasture <50 yards from E side of wetland</p>					
<p>Assessment Area Description:</p> <p>Forested wetland connected to other wetlands via stream channel that runs through</p>					
Significant Nearby Features: None			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>Fish (Heterandria ?), cattle</p>					
<p>Additional relevant factors:</p> <p>Heavy rains within last 48 hours</p>					
Assessment conducted by: SCR/AMF				Assessment date(s): 01-Mar-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 10W-36-I
Impact or Mitigation Impact	Assessment conducted by: SCR/AMF	Assessment Date: 01-Mar-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10) Condition is optimal and fully supports wetland/surface water functions	Moderate (7) Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal (4) Minimal level of support of wetland/surface water functions	Not Present (0) Condition is insufficient to provide wetland/surface water functions
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.500(7)(a) Location and Landscape Support	natural streams on N and S of wetland flow to and from other wetlandshardwoods surround wetland, but pasture nearby (<50 yds)area land uses have adverse impacts on wildlife Discharges from AA significant to downstream areas, which could suffer substantial adverse impacts if quality/quantity were altered.			
	w/o pres or current	with		
	7	0		
.500(7)(b) Water Environment (n/a for uplands)	water very clear, water deeper than usual for this time of year , cattle influence. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	6	0		
.500(7)(c) Community Structure	dominated by Juncus, smartweed, maidencane, pennywort, and small amounts of Spartinasurrounded by ring of Andropogon, pasture grasses and Hypericum. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. No invasive/ exotic species. Evidence of near normal regeneration/recruitment. Slightly lower/higher quantity of good structural habitat (see rule for details).			
	w/o pres or current	with		
	7	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.6667 0.0000

Delta = [with-current]:
-0.6667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	5.1298794
FL= delta x acres =	-3.4199 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 10W-38-I	
FLUCCs Code: 630-6415-641	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 5.9087
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected to larger wetland, surrounded by hardwoods and cattle pasture				
Assessment Area Description: Forested wetland				
Significant Nearby Features: None		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Robin, cattle, vulture, crow				
Additional relevant factors: Heavy rain within last 48 hours				
Assessment conducted by: SCR/AMF			Assessment date(s): 01-Mar-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 10W-38-I
Impact or Mitigation Impact	Assessment conducted by: SCR/AMF	Assessment Date: 01-Mar-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type of wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	surrounded by hardwoods on W border, pasture borders the rest. area land uses have adverse effects on wildlifeN part of a larger wetland- flow from wetland affects rest of wetland Wildlife access to/from AA is substantially limited, by distance or barriers. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	slight oil sheen , small pools of standing water, cattle influence. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradatation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	6	0		
.500(7)(c) Community Structure	scattered Perse pal, wax myrtle, slash pines, Q. nigra, Q. laurifolia, Ulmus, herbaceous vegetation consists of Juncus and smartweed. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Age/size distribution typical, may show temporary deviations. No invasive/ exotic species. Evidence of near normal regeneration/recruitment.			
	w/o pres or current	with		
	7	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.5667
0.0000

Delta = [with-current]:
-0.5667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	5.9086569
FL= delta x acres =	-3.3482 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 10W-40-I	
FLUCCs Code: 630-617-643-6415		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 15.8588
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Surrounded by hardwoods with tilled cattle pasture 25 yards N and 50-100 yards West.</p>					
<p>Assessment Area Description:</p> <p>Forested wetland with minimal wetland plants. Lots of dead wood, grasses, fallen pine trees, pine stumps. Standing water and heavy road grass throughout.</p>					
Significant Nearby Features: None			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Little grass frog, sand hill crane, rabbit					
Additional relevant factors:					
Assessment conducted by: SAE/LMP				Assessment date(s): 12-Dec-2004	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 10W-40-I
Impact or Mitigation Impact	Assessment conducted by: SAE/LMP	Assessment Date: 29-Dec-2004

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Area Land Uses have significant adverse impacts on wildlife. Wildlife access to/from AA is partially limited by distance or barriers.			
	w/o pres or current	with		
	6	0		
.500(7)(b) Water Environment (n/a for uplands)	Minimal WQ degradation. No zonation. Vegetation - signs of stress- fallen pines, oaks. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area.			
	w/o pres or current	with		
	6	0		
.500(7)(c) Community Structure	Dead moths everywhere. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Age/size distribution atypical, show permanent deviations. Majority of plant covers is desirable plant species in all strata . Minimal evidence of regeneration/recruitment.			
	w/o pres or current	with		
	5	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.5667 0.0000

Delta = [with-current]:
-0.5667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	15.858797
FL= delta x acres =	-8.9867 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

** FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.*

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 10W-42-I	
FLUCCs Code: 617-511	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.9989
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by flatwoods and scattered hardwoods. Connected to two wetlands.				
Assessment Area Description: Forested floodplain wetland dominated by Water oak, laurel oak, ferns, grasses. Surrounded by flatwoods.				
Significant Nearby Features: None		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC), American alligator (T by FWS)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) wading birds, fish, American alligator				
Additional relevant factors:				
Assessment conducted by: SAE/LMP			Assessment date(s): 29-Dec-2004	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 10W-42-I
Impact or Mitigation Impact	Assessment conducted by: SAE/LMP/msg	Assessment Date: 29-Dec-2004

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Wildlife access to/from AA is partially limited by distance or barriers. Area Land Uses have minimal adverse impacts on wildlife.			
	w/o pres or current	with		
	8	0		
.500(7)(b) Water Environment (n/a for uplands)	Minimal WQ degradation. Vegetation appropriate for TOS. Cattle/pig influence. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area.			
	w/o pres or current	with		
	8	0		
.500(7)(c) Community Structure	Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Land Management Practices generally appropriate. Majority of plant covers is desirable plant species in all strata .			
	w/o pres or current	with		
	7	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.7667 0.0000

Delta = [with-current]:
-0.7667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.9988933
FL= delta x acres =	-0.7658 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 10W-46-I	
FLUCCs Code: 641-630-6417	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 18.3100
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by cattle pasture (75%) and hardwoods (25%) which connect with another large wetland area				
Assessment Area Description: Large herbaceous wetland				
Significant Nearby Features: None		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Great egret, cormorant, fish, cricket frog, sandhill cranes (in center of wetland)				
Additional relevant factors: Heavy rain within last 48 hours- water deep in places				
Assessment conducted by: SCR/AMF			Assessment date(s): 01-Mar-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 10W-46-I
Impact or Mitigation Impact	Assessment conducted by: SCR/AMF/smg	Assessment Date: 01-Mar-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	surrounded by pasture (75%) and hardwoods (25%). Surrounded by low intensity agriculture and/or pasture. Little native available outside AA.2 ditches drain downstream from the SE corner and S Area Land Uses have significant adverse impacts on wildlife. Wildlife access to/from AA is substantially limited, by distance or barriers. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Discharges from AA provide minimal benefits to downstream areas, which could be altered if quality/quantity were altered.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Water slightly turbid , cattle influence, good zonation. Sheet flow of surrounding pasture is altered by ditching. Regional ditching has lowered the water environment site-wide, and land mgmt activities have altered natural sheet flow in the area. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	5	0		
.500(7)(c) Community Structure	edges dominated by Cladium and smartweedintermediate ring of Juncus, Potedaria and maidencane, inner zone of Pontedaria. Ludwi per and other small shrubs in the center. Grazing and lack of land maintenance have diminished community structure. Minimal cover by invasive/exotic plant species . Minor degree of siltation/algal growth to impede submerged aquatic plant growth.			
	w/o pres or current	with		
	7	0		

Score = sum of above scores/30 (if uplands, divide by 20)		
0.5333		0.0000

Delta = [with-current]:
-0.5333

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	18.309958
FL= delta x acres =	-9.7653 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 10W-52A-I	
FLUCCs Code: 617		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.7966
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Connects with larger wetlands, surrounded by flatwoods and hardwoods, pasture < 750 feet to the NE</p>					
<p>Assessment Area Description:</p> <p>Forested floodplain portion of a larger hardwood wetland separated by thin strip of upland</p>					
Significant Nearby Features: None			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Armadillo, cattle, robin					
Additional relevant factors: Heavy rain within last 48 hours					
Assessment conducted by: SCR/AMF				Assessment date(s): 01-Mar-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 10W-52A-I
Impact or Mitigation Impact	Assessment conducted by: SCR/AMF/smg	Assessment Date: 01-Mar-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	connected with other wetlandssurrounded by flatwoods and hardwoodsarea land uses have some negative effects Area Land Uses have minimal adverse impacts on wildlife. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I.			
	w/o pres or current	with		
	7	0		
.500(7)(b) Water Environment (n/a for uplands)	areas along stream eroded - cattle crossing. connects wetlands. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	7	0		
.500(7)(c) Community Structure	vegetation dominated by water oaks, Gordonia, sweet gum, herbaceous vegetation in channel limited to Juncus and smartweed. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Minimal cover by invasive/exotic plant species . No evidence of siltation/algal growth to impede submerged aquatic plant growth. Age/size distribution typical, may show temporary deviations. Evidence of near normal regeneration/recruitment.			
	w/o pres or current	with		
	8	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.7333 0.0000

Delta = [with-current]:
-0.7333

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.7965647
FL= delta x acres =	-0.5841 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 10W-52B-I	
FLUCCs Code: 630-617-625-6417-641		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 33.3867
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Surrounded by pine flatwoods and partly by pasture. Wetland draining from NW corner. Drains to SW corner.</p>					
<p>Assessment Area Description:</p> <p>Large forested wetland. Standing water throughout. Dominated by pines, oaks and wetland grasses. Various size/age classes.</p>					
Significant Nearby Features: None			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Pinewood tree frog, deer, hog, rabbits					
Additional relevant factors:					
Assessment conducted by: SAE/LMP				Assessment date(s): 29-Dec-2004	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 10W-52B-I
Impact or Mitigation Impact	Assessment conducted by: SAE/LMP/msg	Assessment Date: 29-Dec-2004

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Wildlife access to/from AA is partially limited by distance or barriers. Area Land Uses have minimal adverse impacts on wildlife.			
	w/o pres or current	with		
	7	0		
.500(7)(b) Water Environment (n/a for uplands)	All plant species tolerant of inundation. Cattle and pig influence. Sphagnum moss. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	7	0		
.500(7)(c) Community Structure	Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Age/size distribution typical, may show temporary deviations. Minimal cover by invasive/exotic plant species. Strong evidence of normal regeneration/recruitment. Majority of plant covers is desirable plant species in all strata. Land Management Practices resulted in partial removal/alteration of natural structures, add some artificial features.			
	w/o pres or current	with		
	8	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.7333	0.0000

Delta = [with-current]:
-0.7333

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	33.386730
FL= delta x acres =	-24.4836 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 10W-52C-I	
FLUCCs Code: 617-6417-630-511-513		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 9.4029
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by flatwoods/hardwoods, southeast tip touches cattle pasture, large wetlands also surround					
Assessment Area Description: Large forested wetland					
Significant Nearby Features: None			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC) Sandhill crane nesting (SSC by FFWCC) American alligator (T by FWS)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle, robin, cricket frog, warblers					
Additional relevant factors: Heavy rain within last 48 hours- high water levels- prevented very middle of wetland from being surveyed					
Assessment conducted by: SCR/AMF				Assessment date(s): 01-Mar-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 10W-52C-I
Impact or Mitigation Impact	Assessment conducted by: SCR/AMF/smg	Assessment Date: 01-Mar-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10) Condition is optimal and fully supports wetland/surface water functions	Moderate (7) Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal (4) Minimal level of support of wetland/surface water functions	Not Present (0) Condition is insufficient to provide wetland/surface water functions
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.500(7)(a) Location and Landscape Support	surrounded by hardwoods/flatwoodsSE corner borders pastureconnected to other wetlands Area Land Uses have minimal adverse impacts on wildlife. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I.			
	w/o pres or current	with		
	7	0		
.500(7)(b) Water Environment (n/a for uplands)	Deeper than usual at this time of year due, but heavy rains w/in last 48 hours, fenceline running through center, good zonation. Regional ditching has lowered water environment site-wide, and land mgmt activities have altered sheet flow in the area. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	7	0		
.500(7)(c) Community Structure	Outer ring of Juncus, Cladium, and some Pontedaria and Iris, center is dominated by Polygonum and Pontedaria- also Salix and open patches of water. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Evidence of near normal regeneration/recruitment. Optimal structural habitat. No invasive/ exotic species.			
	w/o pres or current	with		
	8	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.7333 0.0000

Delta = [with-current]:
-0.7333

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	9.4028868
FL= delta x acres =	-6.8955 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 10W-52D-I	
FLUCCs Code: 641-625-630-643	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 1.4389
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected to a larger wetland to the N and to the S surrounded by flatwoods to the E and hardwoods to the W				
Assessment Area Description: Forested wetland				
Significant Nearby Features: None		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Bullfrog or pig frog, fish, cattle				
Additional relevant factors: Heavy rain within last 48 hours				
Assessment conducted by: SCR/AMF			Assessment date(s): 01-Mar-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 10W-52D-I
Impact or Mitigation Impact	Assessment conducted by: SCR/AMF/smg	Assessment Date: 01-Mar-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	connected to wetland at N and Ssurrounded by wetlands, hardwoods, and flatwoodsgood habitat availability for most species Area Land Uses have minimal adverse impacts on wildlife. Discharges from AA significant to downstream areas, which could suffer substantial adverse impacts if quality/quantity were altered.			
	w/o pres or current	with		
	7	0		
.500(7)(b) Water Environment (n/a for uplands)	water clear , cattle influence in areas. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Fire history indicates atypical fire frequency or severity due to excessive dryness. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	7	0		
.500(7)(c) Community Structure	dominated by lizards tail and ferns, with a canopy of maples, slash pines, Perse pal, and some Fraxinus. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Minor degree of siltation/algal growth to impede submerged aquatic plant growth. Evidence of near normal regeneration/recruitment. Age/size distribution typical, may show temporary deviations. Slightly lower/higher quantity of good structural habitat (see rule for details).			
	w/o pres or current	with		
	8	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.7333	0.0000

Delta = [with-current]:
-0.7333

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	1.4388764
FL= delta x acres =	-1.0552 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 10W-52E-I	
FLUCCs Code: 613-630-643-625		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 4.5805
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by flatwoods/hardwoods, wetlands all-around					
Assessment Area Description: Forested floodplain					
Significant Nearby Features: None			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Fish, cattle, robin, leopard frog					
Additional relevant factors: Heavy rain within last 48 hours					
Assessment conducted by: SCR/AMF				Assessment date(s): 01-Mar-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 10W-52E-I
Impact or Mitigation Impact	Assessment conducted by: SCR/AMF/smg	Assessment Date: 01-Mar-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10) Condition is optimal and fully supports wetland/surface water functions	Moderate (7) Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal (4) Minimal level of support of wetland/surface water functions	Not Present (0) Condition is insufficient to provide wetland/surface water functions
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.500(7)(a) Location and Landscape Support	surrounded by wetlands, flatwoods, and hardwoodspasture approx 750 feet to the E and SWcattle influence Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Wildlife access to/from AA is partially limited by distance or barriers.			
	w/o pres or current	with		
	7	0		
.500(7)(b) Water Environment (n/a for uplands)	water clear (heavy rain within last 48 hrs), small amounts of duckweed (high nutrient levels). Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Fire history indicates atypical fire frequency or severity due to excessive dryness. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	7	0		
.500(7)(c) Community Structure	canopy of maple, Fraxinus, herbaceous layer of Pontedaria, Thalia, Nymphoides, Cladium (around edges), and small amounts of lizards tail. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Age/size distribution typical, may show temporary deviations. Slightly lower/higher quantity of good structural habitat (see rule for details).			
	w/o pres or current	with		
	8	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.7333 0.0000

Delta = [with-current]:
-0.7333

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	4.5805188
FL= delta x acres =	-3.3590 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 10W-58-I	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.5516
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Small wetland connected to larger wetlandsurrounded by tilled cattle pasture				
Assessment Area Description: Lobe of wetland 10w-46, herbaceous wetland				
Significant Nearby Features: None		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Great egret, cricket frog, leopard frog				
Additional relevant factors: Heavy rain within last 48 hours				
Assessment conducted by: SCR/AMF			Assessment date(s): 01-Mar-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 10W-58-I
Impact or Mitigation Impact	Assessment conducted by: SCR/AMF	Assessment Date: 01-Mar-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	surrounded by tilled pasture. Surrounded by low intensity agriculture and/or pasture. Little native available outside AA. connected to larger wetland Area Land Uses have significant adverse impacts on wildlife. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I.			
	w/o pres or current	with		
	3	0		
.500(7)(b) Water Environment (n/a for uplands)	cattle trails in places, sheet flow of surrounding pasture is altered by ditches, but water is clear. Regional ditching has lowered the water environment site-wide, and land mgmt activities have altered natural sheet flow in the area. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	6	0		
.500(7)(c) Community Structure	dominated by Juncus, with small amounts of Andropogon, pennywort, Eleocharis. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Much lower/higher quantity of good structure habitat (see rule for details) Minimal cover by invasive/exotic plant species .			
	w/o pres or current	with		
	5	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.4667 0.0000

Delta = [with-current]:
-0.4667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.5516311
FL= delta x acres =	-0.2574 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 10W-60-I	
FLUCCs Code: 630-511-617	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.5903
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by hardwoods, borders pasture				
Assessment Area Description: Forested floodplain wetland connecting two large wetlands.				
Significant Nearby Features: None		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Fish, cattle, robin, vulture,				
Additional relevant factors: Heavy rains within last 48 hours				
Assessment conducted by: SCR/AMF			Assessment date(s): 01-Mar-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 10W-60-I
Impact or Mitigation Impact	Assessment conducted by: SCR/AMF	Assessment Date: 01-Mar-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	surrounded by hardwood borders pasture on the Enatural stream connecting 2 larger wetlands to the N and Scattle influence Area Land Uses have significant adverse impacts on wildlife. Wildlife access to/from AA is partially limited by distance or barriers.			
	w/o pres or current	with		
	6	0		
.500(7)(b) Water Environment (n/a for uplands)	several areas along stretch badly eroded (jeep/cattle crossings), water clear. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	7	0		
.500(7)(c) Community Structure	vegetation in channel consists of Juncus, Iris, and Pontedaria, floodplain consists of Q. nigra, cabbage palms, red maple, and slash pine. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. No invasive/exotic species. All/nearly all of plant covers is by appropriate and desirable plant species in all strata. Evidence of near normal regeneration/recruitment.			
	w/o pres or current	with		
	8	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.7000 0.0000

Delta = [with-current]:
-0.7000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.5902791
FL= delta x acres =	-0.4132 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 10W-64-I	
FLUCCs Code: 641-6415	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.6907
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by cattle pasture 10 yards from a ditch flowing from a N wetland.				
Assessment Area Description: This is a 0.69-acre herbaceous wetland.				
Significant Nearby Features: None		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle, mosquitofish				
Additional relevant factors: Ditch minor cattle impact				
Assessment conducted by: AMF			Assessment date(s): 01-Mar-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 10W-64-I
Impact or Mitigation Impact	Assessment conducted by: AMF/SCR	Assessment Date: 01-Mar-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	area land uses have adverse impacts. Surrounded by low intensity agriculture and/or pasture. Little native available outside AA. surrounded by tilled pastureditch < 10 yds W of wetlandcattle influence Area Land Uses have severe adverse impacts on wildlife. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I.			
	w/o pres or current	with		
	3	0		
.500(7)(b) Water Environment (n/a for uplands)	duckweed in center (high nutrient levels), good zonation. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
	w/o pres or current	with		
	7	0		
.500(7)(c) Community Structure	outer ring consists of Andropogon, intermediate ring of Juncus mixed with maidencane and Polygonum, Pontedaria in center. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Minimal cover by invasive/exotic plant species. Evidence of near normal regeneration/recruitment.			
	w/o pres or current	with		
	7	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.5667 0.0000

Delta = [with-current]:
-0.5667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.6906519
FL= delta x acres =	-0.3914 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 11W-28-I	
FLUCCs Code: 641-617-630	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 5.7767
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by hardwoods; cattle pasture borders hardwoods to NE, E, and SW.				
Assessment Area Description: Forested wetland surrounded by hardwoods with cattle influence. Good zonation, water covered in duckweed. Patches of dead oaks in center of wetland				
Significant Nearby Features: Brushy Creek ~450 yds to NE		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC) and roosting, Sandhill crane nesting (SSC by FFWCC), American alligator (T by FWS)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Little grass frog, armadillo, cow, hog				
Additional relevant factors:				
Assessment conducted by: SMG/JJB			Assessment date(s): 30-Sep-2011	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 11W-28-I
Impact or Mitigation Impact	Assessment conducted by: SMG/JJB	Assessment Date: 30-Sep-2011

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Surrounded by hardwoods which is surrounded by pasture on E and W sides; wetlands N and S sides connected to other wetland. Area Land Uses have significant adverse impacts on wildlife. Wildlife access to/from AA is partially limited by distance or barriers.			
	w/o pres or current	with		
	6	0		
.500(7)(b) Water Environment (n/a for uplands)	Regional ditching and surrounding land mgmt activities have altered natural sheet flow in area. Large berm&ditch alters flow from entire W side. Grazing/pig damage evident. Stagnant water on N side of wetland; covered with duckweed. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	5	0		
.500(7)(c) Community Structure	Minimal age/size distribution. Sawgrass dominates, Ludi per scattered throughout, heavily grazed; bahia dominates transitional zone. Moderate degree of siltation/algal growth to impede submerged aquatic plant growth. Minimal cover by invasive/exotic plant species. Age/size distribution typical, may show temporary deviations. Evidence of near normal regeneration/recruitment.			
	w/o pres or current	with		
	7	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.6000 0.0000

Delta = [with-current]:
-0.6000

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	5.7766537
FL= delta x acres =	-3.4660 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 11W-30-I	
FLUCCs Code: 641-630		Further Classification: N/A		Impact or Mitigation Site?: Impact	Assessment Area Size (ac): 3.1131
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>There is a ditch that connects this wetland to 11w-44. This wetland is surrounded by pasture (50%) and a mixed stand of hardwoods/conifers (50%).</p>					
<p>Assessment Area Description:</p> <p>Herbaceous wetland, dominated by soft rush, contains patches of Spartina. There is an area in the center that is open water</p>					
Significant Nearby Features: None			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC), Sandhill crane nesting (SSC by FFWCC), American alligator (T by FWS)		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>Armadillo burrow just outside wetland</p>					
<p>Additional relevant factors:</p> <p>None</p>					
Assessment conducted by: SCR				Assessment date(s): 07-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 11W-30-I
Impact or Mitigation Impact	Assessment conducted by: SCR/smg	Assessment Date: 07-Jan-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10) Condition is optimal and fully supports wetland/surface water functions	Moderate (7) Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal (4) Minimal level of support of wetland/surface water functions	Not Present (0) Condition is insufficient to provide wetland/surface water functions
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.500(7)(a) Location and Landscape Support	surrounded by hardwood/conifer mixed and pasture. Brushy Creek less than 1/2 mile to the NE. Discharges from AA provide minimal benefits to downstream areas, which could be altered if quality/quantity were altered.
w/o pres or current	with
5	0
.500(7)(b) Water Environment (n/a for uplands)	connected via ditch to 11w-44. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.
w/o pres or current	with
6	0
.500(7)(c) Community Structure	soft rush, Spartina, open water. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Minimal cover by invasive/exotic plant species. Land Management Practices generally appropriate. Topo features slightly less optimal.
w/o pres or current	with
6	0

Score = sum of above scores/30 (if uplands, divide by 20)
0.5667 0.0000

Delta = [with-current]:
-0.5667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	3.1131126
FL= delta x acres =	-1.7641 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 11W-44-I	
FLUCCs Code: 641-6417-643-630		Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 10.9233
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Surrounded by hardwoods and pasture. Ditch connects this wetland to wetland 11w-58.</p>					
<p>Assessment Area Description:</p> <p>Deep herbaceous wetland with good zonation and heavy cattle and pig influence. Surrounded by hardwoods and cattle pasture.</p>					
Significant Nearby Features: Brushy Creek ~700 yds NE			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC), Sandhill crane nesting (SSC by FFWCC), Gopher frog habitat (SSC by FFWCC), American alligator (T by FWS).		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Pig, cow, frogs					
Additional relevant factors:					
Assessment conducted by: LMP/SAE				Assessment date(s): 29-Dec-2004	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 11W-44-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	50% pasture; 50% hardwoods with several wetlands nearby. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Area Land Uses have significant adverse impacts on wildlife. Wildlife access to/from AA is partially limited by distance or barriers.			
	w/o pres or current	with		
	5	0		
.500(7)(b) Water Environment (n/a for uplands)	Deep water with good zonation; ditch draining out SE corner. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area.			
	w/o pres or current	with		
	6	0		
.500(7)(c) Community Structure	Several different wetland plant species including spartina, juncus, pontederia. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Much lower/higher quantity of good structure habitat (see rule for details) Minimal cover by invasive/exotic plant species .			
	w/o pres or current	with		
	6	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.5667 0.0000

Delta = [with-current]:
-0.5667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	10.923338
FL= delta x acres =	-6.1899 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 11W-56-I	
FLUCCs Code: 630	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.7253
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Part of a large system of wetlands connected by agricultural ditches. Pasture nearby, surrounded by flatwoods/hardwoods.</p>				
<p>Assessment Area Description:</p> <p>This is a 0.73-acre forested floodplain wetland with a western section that extends into the surrounding pasture and is herbaceous (dominated by Juncus and smartweed).</p>				
Significant Nearby Features: Brushy Creek <1 mile to the East.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Robins, hogs, cattle				
Additional relevant factors: None				
Assessment conducted by: SCR/BEH			Assessment date(s): 20-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 11W-56-I
Impact or Mitigation Impact	Assessment conducted by: SCR/BEH/smg	Assessment Date: 20-Jan-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	connected to 11w-64 and 10w-46 through a ditch, although not indicated on map)pasture approx 50 yds to the W and E Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Area Land Uses have minimal adverse impacts on wildlife.			
	w/o pres or current	with		
	5	0		
.500(7)(b) Water Environment (n/a for uplands)	Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	6	0		
.500(7)(c) Community Structure	dominated by Juncus and smartweed.Edges- Virginia chain fern, wax myrtles, live oak, saw palmetto, P. elliotti, Cyperus, Q. laurifolia. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment.			
	w/o pres or current	with		
	6	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.5667 0.0000

Delta = [with-current]:
-0.5667

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.7252798
FL= delta x acres =	-0.4110 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 11W-58-I	
FLUCCs Code: 641-6415	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 3.0417
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Surrounded by cattle pasture and flatwoods 50/50. Hydrologically connected to wetland 11W-44 by ditch and stream flowing downstream.</p>				
<p>Assessment Area Description:</p> <p>This is a 3.04-acre herbaceous wetland dominated by Juncus surrounded by flatwoods(50%) and cattle pasture(50%).</p>				
Significant Nearby Features: 1/4 mi Southwest of Brushy Creek		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) None				
Additional relevant factors:				
Assessment conducted by: SAE/LMP			Assessment date(s): 29-Dec-2004	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 11W-58-I
Impact or Mitigation Impact	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type of wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	50% pasture; 50% hardwoods with several wetlands nearby. Area Land Uses have significant adverse impacts on wildlife. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Wildlife access to/from AA is partially limited by distance or barriers.			
	w/o pres or current	with		
	5	0		
.500(7)(b) Water Environment (n/a for uplands)	Hydrology of pasture altered; Cattle influenced. OK zonation; ditch flowing into wetland NW flowing out at S side. Regional ditching has lowered the water environment site-wide, and land mgmt activities have altered natural sheet flow in the area.			
	w/o pres or current	with		
	6	0		
.500(7)(c) Community Structure	Spartina dominates outer zone; pontederia dominates inner zone. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. All/nearly all of plant covers is by appropriate and desirable plant species in all strata. Land Management Practices generally appropriate.			
	w/o pres or current	with		
	8	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.6333 0.0000

Delta = [with-current]:
-0.6333

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	3.0416926
FL= delta x acres =	-1.9264 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 12W-04-I	
FLUCCs Code: 641		Further Classification: N/A		Impact or Mitigation Site? Impact	
				Assessment Area Size (ac): 0.2083	
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class		Special Classificatio (i.e. OFW, AP, other local/state/federal designation of importance) N/A	
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Surrounded by cattle pasture and scattered hardwoods, NW tip of LNA, connected to large wetland</p>					
<p>Assessment Area Description:</p> <p>Small herbaceous wetland</p>					
<p>Significant Nearby Features:</p> <p>Connected to wetland within Brushy Creek, Lettis Creek approx 0.75 mile to the E</p>			<p>Uniqueness (considering the relative rarity in relation to the regional landscape.)</p> <p>None</p>		
<p>Functions:</p> <p>Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.</p>			<p>Mitigation for previous permit/other historic use:</p> <p>None</p>		
<p>Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)</p> <p>Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge</p>			<p>Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area):</p> <p>Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)</p>		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>Cattle</p>					
<p>Additional relevant factors:</p> <p>None</p>					
<p>Assessment conducted by:</p> <p>SCR/AMF</p>				<p>Assessment date(s):</p> <p>03-Feb-2005</p>	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 12W-04-I
Impact or Mitigation Impact	Assessment conducted by: SCR/AMF	Assessment Date: 03-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	surrounded by pasture and scattered hardwoods. Connected to larger wetland and LNA and Brushy Creek. Discharges from AA have some downstream effects. Surrounded by low intensity ag/pasture. Little native available outside AA. Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have significant adverse impacts on wildlife.			
	w/o pres or current	with		
	4	0		
.500(7)(b) Water Environment (n/a for uplands)	Severe WQ degradation (cattle), no zonation- patches of open water with clumps of Juncus. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Water levels and flow moderately higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	4	0		
.500(7)(c) Community Structure	dominated by Juncus and smartweed. Edges- Virginia chain fern, wax myrtles, live oak, saw palmetto, P. elliotti, Cyperus, Q. laurifolia. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Moderate degree of siltation/algal growth to impede submerged aquatic plant growth. Majority of plant covers is desirable plant species in all strata. Minimal cover by invasive/exotic plant species.			
	w/o pres or current	with		
	5	0		

Score = sum of above scores/30 (if uplands, divide by 20)	
0.4333	0.0000

Delta = [with-current]:
-0.4333

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.2082513
FL= delta x acres =	-0.0902 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 12W-34-I	
FLUCCs Code: 643-6417-617	Further Classification: N/A		Impact or Mitigation Site? Impact	Assessment Area Size (ac): 0.7885
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by hardwoods/flatwoods, Brushy Creek <50 yards within larger natural area hydrologically isolated.				
Assessment Area Description: This is a 0.79-acre herbaceous wetland, hydrologically isolated but deemed jurisdictional in the 2012 USACE Jurisdictional Verification.				
Significant Nearby Features: Brushy Creek <50 yards to the South.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Hogs, cattle				
Additional relevant factors: None				
Assessment conducted by: SCR/AMF			Assessment date(s): 11-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 12W-34-I
Impact or Mitigation Impact	Assessment conducted by: SCR/AMF/smg	Assessment Date: 11-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10) Condition is optimal and fully supports wetland/surface water functions	Moderate (7) Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal (4) Minimal level of support of wetland/surface water functions	Not Present (0) Condition is insufficient to provide wetland/surface water functions
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.500(7)(a) Location and Landscape Support	surrounded by flatwoods/hardwoods. Surrounded by low intensity agriculture and/or pasture. Little native available outside AA.Brushy Creek < 50 yds Nwithin larger natural area Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Wildlife access to/from AA is partially limited by distance or barriers.			
	w/o pres or current	with		
	6	0		
.500(7)(b) Water Environment (n/a for uplands)	hydrologically isolated, cattle influence. Regional ditching has lowered the water environment site-wide, and land mgmt activities (clearing, pasture, etc.) have altered natural sheet flow in the area. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	w/o pres or current	with		
	4	0		
.500(7)(c) Community Structure	edges dominated by Andropogon, smartweed, Juncus, center- Iris and hardwoods, good structural habitat available. Grazing and lack of land maintenance (hog control, fire, etc.) have diminished community structure. Minor degree of siltation/algal growth to impede submerged aquatic plant growth.			
	w/o pres or current	with		
	6	0		

Score = sum of above scores/30 (if uplands, divide by 20)
0.5333 0.0000

Delta = [with-current]:
-0.5333

If preservation as mitigation,	
Preservation adjustment factor =	N/A
Adjusted mitigation delta =	N/A

If mitigation	
Time lag (t-factor) =	N/A
Risk factor =	N/A

For impact assessment areas	
Area Size (ac) =	0.788451
FL= delta x acres =	-0.4205 *

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	N/A

* FL is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 01W-100B-P	
FLUCCs Code: 617	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 0.0553
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connects two wetlands, surrounded by cattle pasture.				
Assessment Area Description: This is a 0.06-acre forested in-line wetland connecting two depressional wetlands surrounded by cattle pasture.				
Significant Nearby Features: Lettis Creek 1/2 mi E; Brushy Creek 1/2 mi S		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Fish, hog, cattle, red shouldered hawk, raccoon, deer				
Additional relevant factors:				
Assessment conducted by: LMP/SAE			Assessment date(s): 17-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 01W-100B-P
Impact or Mitigation Mitigation	Assessment conducted by: smg	Assessment Date:

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA.			
w/o pres or current	with			
5	6			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Soil with heavy clay content. Steep banks eroded in some areas. Unregulated and/or exempt agricultural activities in this AA and surrounding uplands could lead to changes in hydroperiod and/or degradation of water quality.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
5	6			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. Minimal cover by invasive/exotic plant species. Moderate degree of siltation/algal growth to impede submerged aquatic plant growth. Topo features slightly less optimal. Slightly lower/higher quantity of good structural habitat (see rule for details).			
	With mitigation: Palmettos, oaks line banks. Some soda apple, woodwardia virginica in small scattered patches. The CE and permit conditions will require baseline conditions be maintained or improved. Minimal cover by invasive/exotic plant species. Age/size distribution typical. Optimal structural habitat. Topo features slightly less optimal. Land Management Practices Optimal.			
w/o pres or current	with			
7	8			

Score = sum of above scores/30 (if uplands, divide by 20)
0.5667 0.6667

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1000

For impact assessment areas
Area Size (ac) = 0.05532106756
FL= delta x acres = N/A

Delta = [with-current]:
0.1000

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1000
FG = RFG x acres = 0.01 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 01W-102-P	
FLUCCs Code: 641-617	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 1.6189
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected to a larger wetland E, large pasture W. Flatwoods and hardwoods to N and S.				
Assessment Area Description: This is a 1.62-acre herbaceous wetland surrounded by flatwoods; borders pasture on W side separated by fence.				
Significant Nearby Features: Lettis Creek runs through on E side.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Water bird foraging, amphibian breeding, seasonal fish habitat, turtles, frog, water snakes		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle, hog				
Additional relevant factors:				
Assessment conducted by: LMP/SAE			Assessment date(s): 17-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 01W-102-P
Impact or Mitigation Mitigation	Assessment conducted by: smg	Assessment Date:

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Wildlife access to/from AA is partially limited by distance or barriers. Area Land Uses have minimal adverse impacts on wildlife. Discharges from AA significant to downstream areas, which could suffer substantial adverse impacts if quality/quantity were altered.			
w/o pres or current	with			
5	7			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Unregulated cattle and pig influence. Deep water. Soil very mucky. Unregulated and/or exempt agricultural activities in this AA and surrounding uplands could lead to changes in hydroperiod and/or degradation of water quality. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
6	7			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. High degree of siltation/algal growth to impede submerged aquatic plant growth. Age/size distribution typical, may show temporary deviations. Slightly lower/higher quantity of good structural habitat (see rule for details). Topo features slightly less optimal.			
	With mitigation: Some Pontederia cordata, dominated by Thalia geniculata, some Juncus and Andropogon on outside. Fraxinus caroliniana with lots of Lemna surrounding. The CE and permit conditions will require baseline conditions be maintained or improved. Age/size distribution typical. Optimal structural habitat. Land Management Practices Optimal.			
w/o pres or current	with			
7	8			

Score = sum of above scores/30 (if uplands, divide by 20)
0.6000 0.7333

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1333

For impact assessment areas
Area Size (ac) = 1.61894295698
FL= delta x acres = N/A

Delta = [with-current]:
0.1333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1333
FG = RFG x acres = 0.22 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 01W-14-P	
FLUCCs Code: 630-617-511-643	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 2.5803
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Narrow, Northernmost portion of a larger wetland. Surrounded by hardwoods. Flatwoods ~50 yards East.				
Assessment Area Description: This is a 2.58-acre forested slough with lots of Iris and grasses. Palmettos, oaks, pines, palms on the banks.				
Significant Nearby Features: ~400 yards North of Lettis Creek		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle, hog, deer				
Additional relevant factors:				
Assessment conducted by: LMP/SAE			Assessment date(s): 17-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 01W-14-P
Impact or Mitigation Mitigation	Assessment conducted by: Imp/sae/smg	Assessment Date: 17-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.	
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Area Land Uses have significant adverse impacts on wildlife. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Discharges from AA significant to downstream areas, which could suffer substantial adverse impacts if quality/quantity were altered.	
w/o pres or current	with	
5	9	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Unregulated and/or exempt agricultural activities in this AA and surrounding uplands could lead to changes in hydroperiod and/or degradation of water quality.	
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).	
w/o pres or current	with	
6	7	

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. Majority of plant covers is desirable plant species in all strata . Evidence of near normal regeneration/recruitment. Age/size distribution typical, may show temporary deviations. Slightly lower/higher quantity of good structural habitat (see rule for details).	
	With mitigation: Lots of Iris, grasses, palmettos, oaks, pines, palms. The CE and permit conditions will require baseline conditions be maintained or improved. Majority of plant covers is desirable plant species in all strata . Evidence of near normal regeneration/recruitment. Age/size distribution typical, may show temporary deviations.	
w/o pres or current	with	
8	9	

Score = sum of above scores/30 (if uplands, divide by 20)
0.6333 0.8333

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.2000

For impact assessment areas
Area Size (ac) = 2.5803114169
FL= delta x acres = N/A

Delta = [with-current]:
0.2000

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.2000
FG = RFG x acres = 0.52 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 01W-44-P	
FLUCCs Code: 617-513	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 0.0141
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Lettis Creek flows into and out of this wetland connecting it to two other wetlands. Surrounded by hardwoods and flatwoods. Pasture ~200 yards West.				
Assessment Area Description: This is a 0.014-acre herbaceous wetland with many exotic/nuisance species.				
Significant Nearby Features: Lettis Creek flows in and out of this wetland		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Pair of big blue herons, great egret, raccoon, fish, green anole				
Additional relevant factors:				
Assessment conducted by: LMP/SAE			Assessment date(s): 21-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 01W-44-P
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.	
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Wildlife access to/from AA is partially limited by distance or barriers. Area Land Uses have minimal adverse impacts on wildlife.	
w/o pres or current	with	
5	8	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Unregulated and/or exempt agricultural activities in this AA and surrounding uplands could lead to changes in hydroperiod and/or degradation of water quality.	
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).	
w/o pres or current	with	
5	6	

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation.	
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Minimal cover by invasive/exotic plant species. Age/size distribution typical, may show temporary deviations.	
w/o pres or current	with	
8	9	

Score = sum of above scores/30 (if uplands, divide by 20)
0.6000 0.7667

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1667

For impact assessment areas
Area Size (ac) = 0.01406746667
FL= delta x acres = N/A

Delta = [with-current]:
0.1667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1667
FG = RFG x acres = 0.00 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 01W-46-P	
FLUCCs Code: 617-513	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 0.5303
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connects two wetlands together; surrounded by hardwoods.				
Assessment Area Description: This is a 0.53-acre wetland that is part of the Lettis Creek headwater/in-line wetland system.				
Significant Nearby Features: Lettis Creek		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle, black racer				
Additional relevant factors:				
Assessment conducted by: SAE/LMP			Assessment date(s): 21-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 01W-46-P
Impact or Mitigation Mitigation	Assessment conducted by: sae/lmp/smg	Assessment Date: 21-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Wildlife access to/from AA is partially limited by distance or barriers. Area Land Uses have minimal adverse impacts on wildlife.			
w/o pres or current	with			
5	8			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Very dry and sandy. Cattle influence because of unregulated access. Unregulated and/or exempt agricultural activities in this AA and surrounding uplands could lead to changes in hydroperiod and/or degradation of water quality. Soil deviated from appropriate, erosion/deposition patterns atypical/indicate alterations.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
5	6			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. Minimal cover by invasive/exotic plant species. Age/size distribution typical, may show temporary deviations. Topo features slightly less optimal.			
	With mitigation: Palmettos, oaks, pines, Iris. The CE and permit conditions will require baseline conditions be maintained or improved. Minimal cover by invasive/exotic plant species. Age/size distribution typical, may show temporary deviations.			
w/o pres or current	with			
7	8			

Score = sum of above scores/30 (if uplands, divide by 20)
0.5667 0.7333

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1667

For impact assessment areas
Area Size (ac) = 0.53026999545
FL= delta x acres = N/A

Delta = [with-current]:
0.1667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1667
FG = RFG x acres = 0.09 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 01W-60-P	
FLUCCs Code: 641-617-513	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 1.3277
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connects to Lettis creek. Surrounded by flatwoods and hardwoods with a small portion bordering cattle pasture. Large cattle pasture West of wetland.				
Assessment Area Description: This is a 1.33-acre forested wetland connected to Lettis Creek dominated by Fraxinus caroliniana.				
Significant Nearby Features: Connects to Lettis Creek		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Water bird foraging, amphibian breeding, seasonal fish habitat, turtles, frog, water snakes		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle, hog, fish				
Additional relevant factors: 				
Assessment conducted by: LMP/SAE			Assessment date(s): 21-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 01W-60-P
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Wildlife access to/from AA is partially limited by distance or barriers. Area Land Uses have minimal adverse impacts on wildlife. Discharges from AA significant to downstream areas, which could suffer substantial adverse impacts if quality/quantity were altered.			
w/o pres or current	with			
5	8			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Deep water up to 8" in center. All open water. Heavy cattle influence. Unregulated and/or exempt agricultural activities in this AA and surrounding uplands could lead to changes in hydroperiod and/or degradation of water quality. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen. Water levels and flow moderately higher/lower than appropriate considering natural variation.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
7	8			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Majority of plant covers is desirable plant species in all strata. Evidence of near normal regeneration/recruitment. Age/size distribution typical, may show temporary deviations. Slightly lower/higher quantity of good structural habitat (see rule for details). Topo features slightly less optimal.			
	With mitigation: Bacopa, L. spongia, Iris, Fraxina throughout deep center. Polygonum, Juncus. The CE and permit conditions will require baseline conditions be maintained or improved. Majority of plant covers is desirable plant species in all strata. Evidence of near normal regeneration/recruitment. Age/size distribution typical, may show temporary deviations. Slightly lower/higher quantity of good structural habitat (see rule for details).			
w/o pres or current	with			
8	9			

Score = sum of above scores/30 (if uplands, divide by 20)
0.6667 0.8333

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1667

For impact assessment areas
Area Size (ac) = 1.32773798851
FL= delta x acres = N/A

Delta = [with-current]:
0.1667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1667
FG = RFG x acres = 0.22 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 01W-61-P	
FLUCCs Code: 643-513		Further Classification: N/A		Impact or Mitigation Site? Mitigation	
				Assessment Area Size (ac): 0.0251	
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class		Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A	
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connects wetlands.					
Assessment Area Description: This is a 0.025-acre herbaceous wetland.					
Significant Nearby Features: Flows into large marsh complex			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Water bird foraging, amphibian breeding, seasonal fish habitat, turtles, frog, water snakes			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) None					
Additional relevant factors: None					
Assessment conducted by: SCP				Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 01W-61-P
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Wildlife access to/from AA is partially limited by distance or barriers.			
w/o pres or current	with			
5	8			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: This area has been and would likely continue to be degraded by local/regional ditch network and agricultural activities. Unregulated/exempt activities could compromise water quantity/quality.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
7	8			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Much lower/higher quantity of good structure habitat (see rule for details) Majority of plant covers is desirable plant species in all strata .			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Much lower/higher quantity of good structure habitat (see rule for details) Majority of plant covers is desirable plant species in all strata .			
w/o pres or current	with			
6	7			

Score = sum of above scores/30 (if uplands, divide by 20)
0.6000 0.7667

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1667

For impact assessment areas
Area Size (ac) = 0.02505009629
FL= delta x acres = N/A

Delta = [with-current]:
0.1667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1667
FG = RFG x acres = 0.00 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 01W-62-P	
FLUCCs Code: 617-616	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 6.6628
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connects to Lettis creek. Surrounded by flatwoods and hardwoods with a small portion bordering cattle pasture. Large cattle pasture West of wetland.				
Assessment Area Description: This is a 6.66-acre wetland with small patch of standing water connecting to Lettis Creek.				
Significant Nearby Features: Connects to Lettis Creek		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle, hog, several deer				
Additional relevant factors:				
Assessment conducted by: LMP/SAE			Assessment date(s): 21-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 01W-62-P
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Wildlife access to/from AA is partially limited by distance or barriers. Discharges from AA significant to downstream areas, which could suffer substantial adverse impacts if quality/quantity were altered. Area Land Uses have minimal adverse impacts on wildlife. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I.			
w/o pres or current	with			
5	8			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Dry at TOA except a small area that was very muddy with very turbid water. Unregulated cattle and pig influence. Unregulated/exempt activities could compromise water quantity/quality.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
7	8			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. Majority of plant covers is desirable plant species in all strata . Evidence of near normal regeneration/recruitment. Slightly lower/higher quantity of good structural habitat (see rule for details). Topo features slightly less optimal.			
	With mitigation: Laurel oaks, Fraxinus Caroliniana throughout. Polygonum, Juncus, Iris, Cladium, Salix, Carex spp., Viburnum ovalatum, maple, saw palmetto. The CE and permit conditions will require baseline conditions be maintained or improved. Majority of plant covers is desirable plant species in all strata . Evidence of near normal regeneration/recruitment.			
w/o pres or current	with			
8	9			

Score = sum of above scores/30 (if uplands, divide by 20)
0.6667 0.8333

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1667

For impact assessment areas
Area Size (ac) = 6.66280803486
FL= delta x acres = N/A

Delta = [with-current]:
0.1667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1667
FG = RFG x acres = 1.11 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 01W-66-P	
FLUCCs Code: 641-643-617-513	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 14.5352
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Lettis Creek drains out from SE. Surrounded by flatwoods and hardwoods with a small portion bordering cattle pasture. There is a large cattle pasture West of the wetland.</p>				
<p>Assessment Area Description:</p> <p>This is a 14.54-acre herbaceous wetland from which Lettis Creek flows South.</p>				
Significant Nearby Features: Connects to Lettis Creek		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Water bird foraging, amphibian breeding, seasonal fish habitat, turtles, frog, water snakes		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage)		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>3 little blue herons, great egret, flock of Ibis, glossy Ibis, duck, pair of killdeer</p>				
Additional relevant factors:				
Assessment conducted by: LMP/SAE			Assessment date(s): 16-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 01W-66-P
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.	
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Wildlife access to/from AA is partially limited by distance or barriers. Discharges from AA significant to downstream areas, which could suffer substantial adverse impacts if quality/quantity were altered. Area Land Uses have minimal adverse impacts on wildlife. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I.	
w/o pres or current	with	
5	7	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated/exempt activities could compromise water quantity/quality.	
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).	
w/o pres or current	with	
7	8	

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Majority of plant covers is desirable plant species in all strata. Evidence of near normal regeneration/recruitment. Slightly lower/higher quantity of good structural habitat (see rule for details). Topo features slightly less optimal.	
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Majority of plant covers is desirable plant species in all strata. Evidence of near normal regeneration/recruitment. Slightly lower/higher quantity of good structural habitat (see rule for details).	
w/o pres or current	with	
8	9	

Score = sum of above scores/30 (if uplands, divide by 20)
0.6667 0.8000

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1333

For impact assessment areas
Area Size (ac) = 14.5351572407
FL= delta x acres = N/A

Delta = [with-current]:
0.1333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1333
FG = RFG x acres = 1.94 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 01W-68-P	
FLUCCs Code: 630-511	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 0.7531
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands 2/3 surrounded by cattle pasture, 1/3 surrounded by flatwoods and hardwoods.				
Assessment Area Description: This is a 0.75-acre narrow forested floodplain wetland that feeds ultimately to Brushy Creek.				
Significant Nearby Features: Brushy Creek <1 mile SW and Lettis Creek <1 mile East.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle				
Additional relevant factors:				
Assessment conducted by: SAE/LMP			Assessment date(s): 16-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 01W-68-P
Impact or Mitigation Mitigation	Assessment conducted by: sae/lmp	Assessment Date: 16-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Wildlife access to/from AA is not limited by distance or barriers. Discharges from AA significant to downstream areas, which could suffer substantial adverse impacts if quality/quantity were altered.			
w/o pres or current	with			
5	7			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Connects large wetlands together. Dry in most areas at time of assessment- some pools. Evidence of erosion cause by cattle crossings. Unregulated/exempt activities could compromise water quantity/quality.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
6	7			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. Moderate degree of siltation/algal growth to impede submerged aquatic plant growth. Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Slightly lower/higher quantity of good structural habitat (see rule for details).			
	With mitigation: Palmettos, oaks, Iris, Juncus, Polygonum, Urena lobata, Ludwigia peruviana, dog fennel, Smilax, Andropogon. Evidence of algae. The CE and permit conditions will require baseline conditions be maintained or improved. Moderate degree of siltation/algal growth to impede submerged aquatic plant growth. Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species .			
w/o pres or current	with			
6	7			

Score = sum of above scores/30 (if uplands, divide by 20)
0.5667 0.7000

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1333

For impact assessment areas
Area Size (ac) = 0.75313000357
FL= delta x acres = N/A

Delta = [with-current]:
0.1333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1333
FG = RFG x acres = 0.10 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 01W-92-P	
FLUCCs Code: 617-511	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 0.2471
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by cattle pasture. Area connects two wetlands.				
Assessment Area Description: Connection draining from one wetland to another.				
Significant Nearby Features: Lettis Creek <.5 mile East and Brushy Creek <1 mile SW.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle, hog				
Additional relevant factors:				
Assessment conducted by: SAE/LMP			Assessment date(s): 16-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 01W-92-P
Impact or Mitigation Mitigation	Assessment conducted by: sae/lmp	Assessment Date: 16-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers.			
w/o pres or current	with			
5	8			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Dry at time of assessment. Unregulated cattle and pig influence. This area has been and would likely continue to be degraded by local/regional ditch network and agricultural activities. Unregulated/exempt activities could compromise water quantity/qualit Vegetation shows strong signs of hydrologic stress.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
3	4			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. Evidence of near normal regeneration/recruitment. Age/size distribution typical, may show temporary deviations. Topo features present and normal. Slightly lower/higher quantity of good structural habitat (see rule for details).			
	With mitigation: Lined by sweet gum, some palmettos, some Juncus, Urena lobata, maples. The CE and permit conditions will require baseline conditions be maintained or improved. Evidence of near normal regeneration/recruitment. Age/size distribution typical, may show temporary deviations. Topo features present and normal.			
w/o pres or current	with			
7	8			

Score = sum of above scores/30 (if uplands, divide by 20)
0.5000 0.6667

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1667

For impact assessment areas
Area Size (ac) = 0.24710323807
FL= delta x acres = N/A

Delta = [with-current]:
0.1667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1667
FG = RFG x acres = 0.04 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 01W-97-P	
FLUCCs Code: 6417	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 0.2361
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Part of large wetland complex.				
Assessment Area Description: This is a 0.24-acre herbaceous marsh.				
Significant Nearby Features: Lettis Creek		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Water bird foraging, amphibian breeding, seasonal fish habitat, turtles, frog, water snakes		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) None				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 01W-97-P
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Habitat outside AA provide full range of habitats needed to support all wildlife in Pt. I. Wildlife access to/from AA is not limited by distance or barriers.			
w/o pres or current	with			
5	8			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: This area has been and would likely continue to be degraded by local/regional ditch network and agricultural activities. Unregulated/exempt activities could compromise water quantity/quality.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
6	7			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Age/size distribution typical. Majority of plant covers is desirable plant species in all strata. Land Management Practices generally appropriate. Optimal structural habitat. Land Management Practices Optimal.			
w/o pres or current	with			
8	9			

Score = sum of above scores/30 (if uplands, divide by 20)
0.6333 0.8000

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1667

For impact assessment areas
Area Size (ac) = 0.23606956678
FL= delta x acres = N/A

Delta = [with-current]:
0.1667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1667
FG = RFG x acres = 0.04 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 01W-98-P	
FLUCCs Code: 641-617-616	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 1.4068
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected to a larger wetland. Surrounded by flatwoods and hardwoods. Pasture <100 yards SW. Connects to Lettis Creek.				
Assessment Area Description: This is a 1.41-acre herbaceous wetland with group of Pop ash in the center.				
Significant Nearby Features: Lettis Creek ~25 yards East		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Water bird foraging, amphibian breeding, seasonal fish habitat, turtles, frog, water snakes		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Little blue, great egret, Ibis, cattle, hog, deer, raccoon, red shouldered hawk				
Additional relevant factors:				
Assessment conducted by: SAE/LMP			Assessment date(s): 21-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 01W-98-P
Impact or Mitigation Mitigation	Assessment conducted by: sae/lmp	Assessment Date: 21-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Discharges from AA significant to downstream areas, which could suffer substantial adverse impacts if quality/quantity were altered. Wildlife access to/from AA is partially limited by distance or barriers.			
w/o pres or current	with			
5	8			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Open water in center with Pop Ash and Azola. Unregulated pig and cattle influence. Mucky soil. Unregulated and/or exempt agricultural activities in this AA and surrounding uplands could lead to changes in hydroperiod and/or degradation of water quality. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
6	7			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Majority of plant covers is desirable plant species in all strata. Age/size distribution typical, may show temporary deviations. Slightly lower/higher quantity of good structural habitat (see rule for details). Topo features slightly less optimal.			
	With mitigation: Azola and Pop Ash in center. Juncus, sawgrass, Ludwigia peruviana, wax myrtle, Pontederia, Limnobium spongia, Salix, Polygonum. Some Thalia in center. The CE and permit conditions will require baseline conditions be maintained or improved. Majority of plant covers is desirable plant species in all strata.			
w/o pres or current	with			
8	9			

Score = sum of above scores/30 (if uplands, divide by 20)
0.6333 0.8000

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1667

For impact assessment areas
Area Size (ac) = 1.40681073733
FL= delta x acres = N/A

Delta = [with-current]:
0.1667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1667
FG = RFG x acres = 0.23 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 02W-44-P	
FLUCCs Code: 617-511	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 0.3704
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Brushy Creek floodplain wetland connecting one wetland to another.				
Assessment Area Description: This is a 0.37-acre floodplain wetland connecting two wetlands ultimately to Brushy Creek.				
Significant Nearby Features: 400 yds E of Brushy Creek		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Raccoon, cattle, fish, deer, armadillo				
Additional relevant factors:				
Assessment conducted by: LMP/SAE			Assessment date(s): 22-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 02W-44-P
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, raw crops, etc.) Wildlife access to/from AA is substantially limited, by distance or barriers. Discharges from AA provide minimal benefits to downstream areas, which could be altered if quality/quantity were altered.	
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Wildlife access to/from AA is partially limited by distance or barriers. Discharges from AA significant to downstream areas, which could suffer substantial adverse impacts if quality/quantity were altered.	
w/o pres or current	with	
5	6	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: This area has been and would likely continue to be degraded by local/regional ditch network and agricultural activities. Unregulated/exempt activities could compromise water quantity/quality. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen. Existing water quality data indicates moderate deviation from norm, but not expected to cause more than minimal effects.	
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved.	
w/o pres or current	with	
5	6	

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation.	
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. All/nearly all of plant covers is by appropriate and desirable plant species in all strata. Land Management Practices Optimal.	
w/o pres or current	with	
8	9	

Score = sum of above scores/30 (if uplands, divide by 20)
0.6000 0.7000

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1000

For impact assessment areas
Area Size (ac) = 0.37044613671
FL= delta x acres = N/A

Delta = [with-current]:
0.1000

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1000
FG = RFG x acres = 0.04 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 02W-56A-P	
FLUCCs Code: 617-641-643	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 25.8961
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Two ditches come in from North; connected to other wetlands. Surrounded by cattle pasture.				
Assessment Area Description: This is a 25.9-acre forested wetland connected to other wetlands surrounded by cattle pasture.				
Significant Nearby Features: -0.5 mi NE of Brushy Creek		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle, lots of birds, raccoon, deer, fish, furry mammal dung				
Additional relevant factors:				
Assessment conducted by: SAE/LMP			Assessment date(s): 24-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 02W-56A-P
Impact or Mitigation Mitigation	Assessment conducted by: SAE/LMP	Assessment Date: 24-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Wildlife access to/from AA is not limited by distance or barriers. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Habitat outside AA provide full range of habitats needed to support all wildlife in Pt. I.			
w/o pres or current	with			
5	6			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Unregulated cattle influence and evidence of high nutrient levels. Unregulated and/or exempt agricultural activities in this AA and surrounding uplands could lead to changes in hydroperiod and/or degradation of water quality. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
6	7			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation.			
	With mitigation: Diverse vegetative community. The CE and permit conditions will require baseline conditions be maintained or improved. Majority of plant covers is desirable plant species in all strata. Evidence of near normal regeneration/recruitment. Age/size distribution typical, may show temporary deviations. Slightly lower/higher quantity of good structural habitat (see rule for details).			
w/o pres or current	with			
8	9			

Score = sum of above scores/30 (if uplands, divide by 20)
0.6333 0.7333

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1000

For impact assessment areas
Area Size (ac) = 25.8960669778
FL= delta x acres = N/A

Delta = [with-current]:
0.1000

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1000
FG = RFG x acres = 2.59 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 02W-56B-P	
FLUCCs Code: 617-643	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 1.8314
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected to larger wetland; surrounded by hardwoods but close (~25 yds) to pasture.				
Assessment Area Description: This is a 1.83-acre forested wetland/flood plain surrounded by hardwoods.				
Significant Nearby Features: ~3/4 mi NE of Brushy Creek		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Armadillo, cattle, fish				
Additional relevant factors:				
Assessment conducted by: SAE/LMP			Assessment date(s): 24-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 02W-56B-P
Impact or Mitigation Mitigation	Assessment conducted by: SAE/LMP	Assessment Date: 24-Mar-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Habitat outside AA provide full range of habitats needed to support all wildlife in Pt. I. Wildlife access to/from AA is not limited by distance or barriers. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA.			
w/o pres or current	with			
5	7			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Soil dry and sandy in outer zone. Unregulated cattle influence. Unregulated and/or exempt agricultural activities in this AA and surrounding uplands could lead to changes in hydroperiod and/or degradation of water quality. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
6	7			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. Majority of plant covers is desirable plant species in all strata. Minimal cover by invasive/exotic plant species. Slightly lower/higher quantity of good structural habitat (see rule for details). Evidence of near normal regeneration/recruitment. Age/size distribution typical, may show temporary deviations.			
	With mitigation: Diverse hardwood swamp. The CE and permit conditions will require baseline conditions be maintained or improved. Majority of plant covers is desirable plant species in all strata. Minimal cover by invasive/exotic plant species. Slightly lower/higher quantity of good structural habitat (see rule for details). Evidence of near normal regeneration/recruitment.			
w/o pres or current	with			
8	9			

Score = sum of above scores/30 (if uplands, divide by 20)
0.6333 0.7667

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1333

For impact assessment areas
Area Size (ac) = 1.83135824581
FL= delta x acres = N/A

Delta = [with-current]:
0.1333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1333
FG = RFG x acres = 0.24 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 02W-56C-P	
FLUCCs Code: 617-643	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 0.0355
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected to other wetlands, partially surrounded by pasture (~75%) and hardwoods.				
Assessment Area Description: This is a 0.04-acre herbaceous wetland surrounded by pasture and hardwoods.				
Significant Nearby Features: ~3/4 mi NE Brushy Creek		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle, little grass frog				
Additional relevant factors:				
Assessment conducted by: SAE/LMP			Assessment date(s): 24-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 02W-56C-P
Impact or Mitigation Mitigation	Assessment conducted by: SAE/LMP	Assessment Date: 24-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Wildlife access to/from AA is substantially limited, by distance or barriers. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I.			
w/o pres or current	with			
5	6			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: This area has been and would likely continue to be degraded by local/regional ditch network and agricultural activities. Unregulated/exempt activities could compromise water quantity/quality. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
6	7			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. Moderate degree of siltation/algal growth to impede submerged aquatic plant growth. Much lower/higher quantity of good structure habitat (see rule for details) Reduction in extent of topo features.			
	With mitigation: Diverse hardwood swamp. The CE and permit conditions will require baseline conditions be maintained or improved. Moderate degree of siltation/algal growth to impede submerged aquatic plant growth. Much lower/higher quantity of good structure habitat (see rule for details) Reduction in extent of topo features.			
w/o pres or current	with			
5	6			

Score = sum of above scores/30 (if uplands, divide by 20)
0.5333 0.6333

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1000

For impact assessment areas
Area Size (ac) = 0.03545168294
FL= delta x acres = N/A

Delta = [with-current]:
0.1000

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1000
FG = RFG x acres = 0.00 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 02W-66-P	
FLUCCs Code: 617-630-626-641-511	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 3.5154
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by cattle pasture 75%, flatwoods and hardwoods 25%. Large wetland drains into area from NE corner. Drains South into natural stream.				
Assessment Area Description: This is a 3.52-acre forested herbaceous wetland connected to a larger wetland mostly surrounded by cattle pasture.				
Significant Nearby Features: Brushy Creek <1 mi SW		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle, hog				
Additional relevant factors:				
Assessment conducted by: LMP/SAE			Assessment date(s): 24-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 02W-66-P
Impact or Mitigation Mitigation	Assessment conducted by: LMP/SAE	Assessment Date: 24-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Wildlife access to/from AA is substantially limited, by distance or barriers.			
w/o pres or current	with			
5	7			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Connected to wetland in NE corner, connected to natural stream in SE corner evidence of high nutrient levels. Open canopy on SE side (which is dry at TOA) patches of open water. Unregulated/exempt activities could compromise water quantity/quality.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
5	6			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. Majority of plant covers is desirable plant species in all strata . Much lower/higher quantity of good structure habitat (see rule for details) Evidence of near normal regeneration/recruitment. Moderate degree of siltation/algal growth to impede submerged aquatic plant growth.			
	With mitigation: Diverse swamp. The CE and permit conditions will require baseline conditions be maintained or improved. Majority of plant covers is desirable plant species in all strata . Much lower/higher quantity of good structure habitat (see rule for details) Evidence of near normal regeneration/recruitment.			
w/o pres or current	with			
6	7			

Score = sum of above scores/30 (if uplands, divide by 20)
0.5333 0.6667

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1333

For impact assessment areas
Area Size (ac) = 3.51535082371
FL= delta x acres = N/A

Delta = [with-current]:
0.1333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1333
FG = RFG x acres = 0.47 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 02W-70-P	
FLUCCs Code: 617-511	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 2.6285
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Brushy creek runs through this floodplain wetland NW to SE. Surrounded by flatwoods and hardwoods. Cattle pasture ~200 yds NW and NE.				
Assessment Area Description: This is a 2.63-acre forested floodplain wetland that is bisected by a natural creek flowing NW to SE.				
Significant Nearby Features: Brushy Creek in area		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle, hog damage, fish				
Additional relevant factors:				
Assessment conducted by: LMP/SAE			Assessment date(s): 22-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 02W-70-P
Impact or Mitigation Mitigation	Assessment conducted by: LMP/SAE/smg	Assessment Date: 22-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Habitat outside AA provide full range of habitats needed to support all wildlife in Pt. I. Wildlife access to/from AA is not limited by distance or barriers.			
w/o pres or current	with			
5	8			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: This area has been and would likely continue to be degraded by local/regional ditch network and agricultural activities. Unregulated/exempt activities could compromise water quantity/quality. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
6	7			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. Majority of plant covers is desirable plant species in all strata. Evidence of near normal regeneration/recruitment. Age/size distribution typical, may show temporary deviations. Slightly lower/higher quantity of good structural habitat (see rule for details). Topo features slightly less optimal.			
	With mitigation: Diverse hardwood swamp. The CE and permit conditions will require baseline conditions be maintained or improved. Majority of plant covers is desirable plant species in all strata. Evidence of near normal regeneration/recruitment. Age/size distribution typical, may show temporary deviations. Slightly lower/higher quantity of good structural habitat (see rule for details).			
w/o pres or current	with			
8	9			

Score = sum of above scores/30 (if uplands, divide by 20)
0.6333 0.8000

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1667

For impact assessment areas
Area Size (ac) = 2.62849703321
FL= delta x acres = N/A

Delta = [with-current]:
0.1667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1667
FG = RFG x acres = 0.44 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 02W-80-P	
FLUCCs Code: 617-630-511	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 8.7762
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Forested wetland surrounded by flatwoods and hardwoods. Cattle pasture <100 yards East. Stream flows into wetland from NE corner.				
Assessment Area Description: This is a 8.78-acre forested wetland surrounded by flatwoods and hardwoods with a stream flowing into wetland from NE corner.				
Significant Nearby Features: BC 200 yds W		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Pig damage, cattle, raccoon, many unidentified animal tracks, many birds, fish				
Additional relevant factors:				
Assessment conducted by: LMP/SAE			Assessment date(s): 22-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 02W-80-P
Impact or Mitigation Mitigation	Assessment conducted by: SAE/LMP/smg	Assessment Date: 22-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Habitat outside AA provide full range of habitats needed to support all wildlife in Pt. I. Wildlife access to/from AA is not limited by distance or barriers.			
w/o pres or current	with			
5	8			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Stream enters wetland in NE corner, flows out S into Brushy Creek area. This area has been and would likely continue to be degraded by local/regional ditch network and agricultural activities.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
6	7			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. Majority of plant covers is desirable plant species in all strata. Evidence of near normal regeneration/recruitment. Age/size distribution typical, may show temporary deviations. Slightly lower/higher quantity of good structural habitat (see rule for details). Topo features slightly less optimal.			
	With mitigation: Diverse hardwood swamp. The CE and permit conditions will require baseline conditions be maintained or improved. Majority of plant covers is desirable plant species in all strata. Evidence of near normal regeneration/recruitment. Age/size distribution typical, may show temporary deviations. Slightly lower/higher quantity of good structural habitat (see rule for details).			
w/o pres or current	with			
8	9			

Score = sum of above scores/30 (if uplands, divide by 20)
0.6333 0.8000

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1667

For impact assessment areas
Area Size (ac) = 8.77624387340
FL= delta x acres = N/A

Delta = [with-current]:
0.1667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1667
FG = RFG x acres = 1.46 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 02W-81-P	
FLUCCs Code: 617-511	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 0.7519
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands This floodplain wetland discharges into Brushy Creek wetlands.				
Assessment Area Description: This is a 0.75-acre narrow forested floodplain wetland that feeds ultimately to Brushy Creek.				
Significant Nearby Features: Brushy Creek		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) None				
Additional relevant factors: None				
Assessment conducted by: SMG			Assessment date(s): 10-Jul-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 02W-81-P
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA.			
w/o pres or current	with			
5	7			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: This area has been and would likely continue to be degraded by local/regional ditch network and agricultural activities. Unregulated/exempt activities could compromise water quantity/quality.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
5	6			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species .			
	With mitigation: Diverse hardwood swamp. The CE and permit conditions will require baseline conditions be maintained or improved. Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Age/size distribution typical. Optimal structural habitat.			
w/o pres or current	with			
8	9			

Score = sum of above scores/30 (if uplands, divide by 20)
0.6000 0.7333

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1333

For impact assessment areas
Area Size (ac) = 0.75188870273
FL= delta x acres = N/A

Delta = [with-current]:
0.1333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1333
FG = RFG x acres = 0.10 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 02W-84-P	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 0.7300
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by cattle pasture, stream connects this wetland to 2 other wetlands.				
Assessment Area Description: This is a 0.73-acre herbaceous wetland dominated by Juncus and Iris.				
Significant Nearby Features: Brushy Creek < 1 mile to SW		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Water bird foraging, amphibian breeding, seasonal fish habitat, turtles, frog, water snakes		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Armadillo, red-shouldered hawk				
Additional relevant factors: many small holes throughout				
Assessment conducted by: LMP/SAE			Assessment date(s): 24-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 02W-84-P
Impact or Mitigation Mitigation	Assessment conducted by: LMP/SAE/smg	Assessment Date: 24-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided with lesser frequency or magnitude compared to optimal conditions. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Wildlife access to/from AA is not limited by distance or barriers.			
w/o pres or current	with			
5				6

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Connected to 2 other wetlands by natural stream dry at TOA. This area has been and would likely continue to be degraded by local/regional ditch network and agricultural activities. Unregulated/exempt activities could compromise water quantity/quality.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
4				5

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Majority of plant covers is desirable plant species in all strata. Much lower/higher quantity of good structure habitat (see rule for details) Reduction in extent of topo features. Lack topographic features.			
	With mitigation: primarily Juncus, Iris, Polygonum, L. repens. The CE and permit conditions will require baseline conditions be maintained or improved. Majority of plant covers is desirable plant species in all strata. Much lower/higher quantity of good structure habitat (see rule for details) Reduction in extent of topo features.			
w/o pres or current	with			
4				5

Score = sum of above scores/30 (if uplands, divide by 20)
0.4333 0.5333

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1000

For impact assessment areas
Area Size (ac) = 0.73003587693
FL= delta x acres = N/A

Delta = [with-current]:
0.1000

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1000
FG = RFG x acres = 0.07 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 02W-88A-P	
FLUCCs Code: 617-511	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 12.4867
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by cattle pasture, stream runs through far west side of area N to S, connected to other wetlands.				
Assessment Area Description: This is a 12.49-acre forested wetland dominated by Saururus cernuus.				
Significant Nearby Features: Brushy Creek < 1 mile to W		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Deer				
Additional relevant factors: None				
Assessment conducted by: SAE/LMP			Assessment date(s): 24-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 02W-88A-P
Impact or Mitigation Mitigation	Assessment conducted by: SAE/LMP/smg	Assessment Date: 24-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Wildlife access to/from AA is partially limited by distance or barriers. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Wildlife access to/from AA is not limited by distance or barriers.			
w/o pres or current	with			
5	7			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Brushy Creek tributary runs downstream N to S on far W side of wetland water also flows downstream into the middle of the wetland. This area has been and would likely continue to be degraded by local/regional ditch network and agricultural activities.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
6	7			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. Majority of plant covers is desirable plant species in all strata. Evidence of near normal regeneration/recruitment. Age/size distribution typical, may show temporary deviations. Slightly lower/higher quantity of good structural habitat (see rule for details).			
	With mitigation: Diverse hardwood swamp. The CE and permit conditions will require baseline conditions be maintained or improved. Majority of plant covers is desirable plant species in all strata. Evidence of near normal regeneration/recruitment. Age/size distribution typical, may show temporary deviations. Slightly lower/higher quantity of good structural habitat (see rule for details).			
w/o pres or current	with			
8	9			

Score = sum of above scores/30 (if uplands, divide by 20)
0.6333 0.7667

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1333

For impact assessment areas
Area Size (ac) = 12.4866513619
FL= delta x acres = N/A

Delta = [with-current]:
0.1333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1333
FG = RFG x acres = 1.66 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 02W-88B-P	
FLUCCs Code: 630-617-511	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 2.1759
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connects 2 wetlands together stream surrounded by flatwoods and hardwoods cattle pasture 25 yds to West				
Assessment Area Description: This is a 2.18-acre forested wetland that discharges downstream to Brushy Creek.				
Significant Nearby Features: Brushy Creek < 1 mile		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Deer, raccoon, fish				
Additional relevant factors: None				
Assessment conducted by: SAE/LMP			Assessment date(s): 24-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 02W-88B-P
Impact or Mitigation Mitigation	Assessment conducted by: SAE/LMP/smg	Assessment Date: 24-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.	
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Wildlife access to/from AA is not limited by distance or barriers. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA.	
w/o pres or current	with	
5	7	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: This area has been and would likely continue to be degraded by local/regional ditch network and agricultural activities. Unregulated/exempt activities could compromise water quantity/quality.	
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).	
w/o pres or current	with	
5	6	

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. Majority of plant covers is desirable plant species in all strata . Evidence of near normal regeneration/recruitment. Age/size distribution typical, may show temporary deviations. Much lower/higher quantity of good structure habitat (see rule for details)	
	With mitigation: Diverse vegetative community. The CE and permit conditions will require baseline conditions be maintained or improved. Majority of plant covers is desirable plant species in all strata . Evidence of near normal regeneration/recruitment. Age/size distribution typical, may show temporary deviations. Much lower/higher quantity of good structure habitat (see rule for details)	
w/o pres or current	with	
7	8	

Score = sum of above scores/30 (if uplands, divide by 20)
0.5667 0.7000

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1333

For impact assessment areas
Area Size (ac) = 2.17590084649
FL= delta x acres = N/A

Delta = [with-current]:
0.1333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1333
FG = RFG x acres = 0.29 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 02W-88C-P	
FLUCCs Code: 630-641-511	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 1.4653
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by cattle pasture, stream runs NW into SSE corner, connected to stream and other wetlands.				
Assessment Area Description: This is a 1.47-acre forested wetland bordering hardwoods and cattle pasture.				
Significant Nearby Features: Brushy Creek < 1 mile to the W		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) None				
Additional relevant factors: None				
Assessment conducted by: LMP/SAE			Assessment date(s): 24-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 02W-88C-P
Impact or Mitigation Mitigation	Assessment conducted by: LMP/SAE/smg	Assessment Date: 24-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Area Land Uses have minimal adverse impacts on wildlife. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Wildlife access to/from AA is not limited by distance or barriers.			
w/o pres or current	with			
5	8			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Flows into wetland from SE corner downstream to NW corner dry at TOA/damp soil. This area has been and would likely continue to be degraded by local/regional ditch network and agricultural activities.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
4	5			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. Much lower/higher quantity of good structure habitat (see rule for details) Reduction in extent of topo features.			
	With mitigation: Wetland groundcover primarily Juncus, Iris, and Polygonum. The CE and permit conditions will require baseline conditions be maintained or improved. Much lower/higher quantity of good structure habitat (see rule for details) Reduction in extent of topo features.			
w/o pres or current	with			
6	7			

Score = sum of above scores/30 (if uplands, divide by 20)
0.5000 0.6667

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1667

For impact assessment areas
Area Size (ac) = 1.46526002847
FL= delta x acres = N/A

Delta = [with-current]:
0.1667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1667
FG = RFG x acres = 0.24 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 02W-88D-P	
FLUCCs Code: 630-641	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 0.6871
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by cattle pasture, some flatwoods in S tip, connected to wetland.				
Assessment Area Description: This is a 0.69-acre forested wetland with several spoils on N end, up to 8" deep on S end.				
Significant Nearby Features: Brushy Creek < 1 mile to the W		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Bird tracks, armadillo, fish, deer, woodpecker				
Additional relevant factors: area was prepped for burn within last few days. Are ran down middle of wetland				
Assessment conducted by: LMP/SAE			Assessment date(s): 24-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 02W-88D-P
Impact or Mitigation Mitigation	Assessment conducted by: LMP/SAE/smg	Assessment Date: 24-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.	
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Area Land Uses have minimal adverse impacts on wildlife. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Wildlife access to/from AA is not limited by distance or barriers.	
w/o pres or current	with	
5	6	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: This area has been and would likely continue to be degraded by local/regional ditch network and agricultural activities.	
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).	
w/o pres or current	with	
4	5	

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. Much lower/higher quantity of good structure habitat (see rule for details) Majority of plant covers is desirable plant species in all strata .	
	With mitigation: Iris, Polygonum, and Juncus around edges, Pontedaria in center. The CE and permit conditions will require baseline conditions be maintained or improved. Much lower/higher quantity of good structure habitat (see rule for details) Majority of plant covers is desirable plant species in all strata .	
w/o pres or current	with	
6	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.5000 0.6000

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1000

For impact assessment areas
Area Size (ac) = 0.68709624758
FL= delta x acres = N/A

Delta = [with-current]:
0.1000

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1000
FG = RFG x acres = 0.07 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 03W-04-P	
FLUCCs Code: 617-630-511	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 2.3416
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connects to wetlands to the S, Brushy Creek flows from this wetland South to other wetlands.				
Assessment Area Description: This is a 2.34-acre forested wetland- Brushy Creek flows through the southern portion of this wetland.				
Significant Nearby Features: Brushy Creek		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Gray squirrel, cattle, hogs				
Additional relevant factors: None				
Assessment conducted by: SCR/KMNR			Assessment date(s): 22-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 03W-04-P
Impact or Mitigation Mitigation	Assessment conducted by: SCR/KMNR/smg	Assessment Date: 22-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Area Land Uses have significant adverse impacts on wildlife. Downstream areas critically or solely dependent on discharges from AA, and could suffer severe adverse impacts if quality/quantity were altered.			
w/o pres or current	with			
5	7			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: soils very mucky extreme cattle influence high nutrient levels. This area has been and would likely continue to be degraded by local/regional ditch network and agricultural activities. Unregulated/exempt activities could compromise water quantity/quality. Direct observation of standing water indicates significant water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
4	5			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. Slightly lower/higher quantity of good structural habitat (see rule for details). No invasive/ exotic species.			
	With mitigation: Diverse vegetative community. The CE and permit conditions will require baseline conditions be maintained or improved. Slightly lower/higher quantity of good structural habitat (see rule for details). No invasive/ exotic species.			
w/o pres or current	with			
8	9			

Score = sum of above scores/30 (if uplands, divide by 20)
0.5667 0.7000

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1333

For impact assessment areas
Area Size (ac) = 2.34163818489
FL= delta x acres = N/A

Delta = [with-current]:
0.1333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1333
FG = RFG x acres = 0.31 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 03W-10-P	
FLUCCs Code: 641-630	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 0.0951
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected to a larger wetland that follows the flow of Brushy Creek borders hardwood and cattle pasture.				
Assessment Area Description: This is a 0.09-acre herbaceous wetland.				
Significant Nearby Features: Borders Brushy Creek		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Water bird foraging, amphibian breeding, seasonal fish habitat, turtles, frog, water snakes		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Robin, cattle				
Additional relevant factors: None				
Assessment conducted by: SCR/KMNR			Assessment date(s): 22-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 03W-10-P
Impact or Mitigation Mitigation	Assessment conducted by: SCR/KMNR/smg	Assessment Date: 22-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Area Land Uses have minimal adverse impacts on wildlife. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Wildlife access to/from AA is not limited by distance or barriers.			
w/o pres or current	with			
5	7			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Depression is alongside road crossing/ditch system- spoil piles built up- these prevent normal sheet flow. Strong cattle presence. Unregulated/exempt activities could compromise water quantity/quality. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
4	5			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.			
	With mitigation: Diverse vegetative community. The CE and permit conditions will require baseline conditions be maintained or improved. Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.			
w/o pres or current	with			
8	9			

Score = sum of above scores/30 (if uplands, divide by 20)
0.5667 0.7000

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1333

For impact assessment areas
Area Size (ac) = 0.09513977424
FL= delta x acres = N/A

Delta = [with-current]:
0.1333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1333
FG = RFG x acres = 0.01 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 03W-12-P	
FLUCCs Code: 630-617-511	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 20.1859
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Follows the flow of Brushy Creek, surrounded by cattle pasture.				
Assessment Area Description: This is a 20.19-acre forested wetland.				
Significant Nearby Features: Brushy Creek (flows through this wetland)		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Fish (Gambusia), cattle, hogs, black vulture, robin, red-shouldered hawk, belted kingfisher, red-bellied woodpecker, armadillo, raccoon				
Additional relevant factors: None				
Assessment conducted by: SCR			Assessment date(s): 23-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 03W-12-P
Impact or Mitigation Mitigation	Assessment conducted by: SCR/smg	Assessment Date: 23-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.	
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Discharges from AA significant to downstream areas, which could suffer substantial adverse impacts if quality/quantity were altered. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Wildlife access to/from AA is partially limited by distance or barriers.	
w/o pres or current	with	
5	6	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Jeep crossing/cattle crossing at northern end and another major crossing/ditch that could continue to degrade. Unregulated/exempt activities could compromise water quantity/quality. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen. Fire history indicates atypical fire frequency or severity due to excessive dryness.	
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).	
w/o pres or current	with	
6	7	

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. Age/size distribution typical, may show temporary deviations. Evidence of near normal regeneration/recruitment. No invasive/ exotic species.	
	With mitigation: Extremely diverse, mature forest. Mature pines and diverse hardwood community could remain intact. The CE and permit conditions will require baseline conditions be maintained or improved. All/nearly all of plant covers is by appropriate and desirable plant species in all strata. Strong evidence of normal regeneration/recruitment.	
w/o pres or current	with	
8	9	

Score = sum of above scores/30 (if uplands, divide by 20)
0.6333 0.7333

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1000

For impact assessment areas
Area Size (ac) = 20.1858648207
FL= delta x acres = N/A

Delta = [with-current]:
0.1000

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1000
FG = RFG x acres = 2.02 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 03W-22-P	
FLUCCs Code: 630-627-641	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 5.2044
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Part of a larger wetland, surrounded largely by pasture, connected to a wetland via Brushy Creek.				
Assessment Area Description: This is a 5.20-acre forested wetland.				
Significant Nearby Features: Brushy Creek flows through this wetland		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle, hogs, robin, cardinal				
Additional relevant factors: None				
Assessment conducted by: SCR			Assessment date(s): 23-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 03W-22-P
Impact or Mitigation Mitigation	Assessment conducted by: SCR/smg	Assessment Date: 23-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Area Land Uses have significant adverse impacts on wildlife. Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have minimal adverse impacts on wildlife.			
w/o pres or current	with			
5	6			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: wetland dry at TOA- appears to not have held water for some time. Unregulated and/or exempt agricultural activities in this AA and surrounding uplands could lead to changes in hydroperiod and/or degradation of water quality. Vegetation shows some signs of hydrologic stress. Fire history indicates atypical fire frequency or severity due to excessive dryness.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
6	7			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. Slightly lower/higher quantity of good structural habitat (see rule for details). Evidence of near normal regeneration/recruitment.			
	With mitigation: Extremely diverse, mature forest. Mature pines and diverse hardwood community could remain intact. The CE and permit conditions will require baseline conditions be maintained or improved. All/nearly all of plant covers is by appropriate and desirable plant species in all strata. Strong evidence of normal regeneration/recruitment.			
w/o pres or current	with			
8	9			

Score = sum of above scores/30 (if uplands, divide by 20)
0.6333 0.7333

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1000

For impact assessment areas
Area Size (ac) = 5.20442429695
FL= delta x acres = N/A

Delta = [with-current]:
0.1000

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1000
FG = RFG x acres = 0.52 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 03W-24-P	
FLUCCs Code: 611-617-630	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 18.3395
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connects to another wetland, mostly surrounded by pasture that will be converted to native habitat in the post reclamation landscape.				
Assessment Area Description: This is an 18.34-acre extremely diverse and mature bay swamp that provides a direct connection to Brushy Creek.				
Significant Nearby Features: Brushy Creek a tenth of a mile to the W		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Leopard frog, mosquitofish, hogs, cattle, robin, armadillo				
Additional relevant factors: None				
Assessment conducted by: SCR			Assessment date(s): 16-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 03W-24-P
Impact or Mitigation Mitigation	Assessment conducted by: SCR/smg	Assessment Date: 16-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Area Land Uses have minimal adverse impacts on wildlife. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Wildlife access to/from AA is not limited by distance or barriers.			
w/o pres or current	with			
5	7			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: This area has been and would likely continue to be degraded by local/regional ditch network and agricultural activities. Unregulated/exempt activities could compromise water quantity/quality. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
6	7			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. Evidence of near normal regeneration/recruitment. Moderate degree of siltation/algal growth to impede submerged aquatic plant growth. Age/size distribution typical, may show temporary deviations. No invasive/ exotic species.			
	With mitigation: Extremely diverse bay swamp with mature, reproductive vegetative community in all strata. The CE and permit conditions will require baseline conditions be maintained or improved. Evidence of near normal regeneration/recruitment. Moderate degree of siltation/algal growth to impede submerged aquatic plant growth. Age/size distribution typical, may show temporary deviations. No invasive/ exotic species.			
w/o pres or current	with			
8	9			

Score = sum of above scores/30 (if uplands, divide by 20)
0.6333 0.7667

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1333

For impact assessment areas
Area Size (ac) = 18.3394571430
FL= delta x acres = N/A

Delta = [with-current]:
0.1333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1333
FG = RFG x acres = 2.45 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 03W-34B-P	
FLUCCs Code: 617-511-643	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 2.1365
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Part of the Brushy Creek floodplain forest.				
Assessment Area Description: Brushy Creek floodplain forest.				
Significant Nearby Features: Brushy Creek flows through this hardwood swamp.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle, hogs, robin, leopard frog, mosquitofish, deer, raccoon				
Additional relevant factors: None				
Assessment conducted by: SCR			Assessment date(s): 16-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 03W-34B-P
Impact or Mitigation Mitigation	Assessment conducted by: SCR/smg	Assessment Date: 16-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, raw crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.	
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Area Land Uses have minimal adverse impacts on wildlife.	
w/o pres or current	with	
5	8	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Stream culverted under road on W side (major 6' + culvert) banks very steep this stretch- rapid flow in some areas. Unregulated/exempt activities could compromise water quantity/quality. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen. Water levels and flow slightly higher/lower than appropriate considering natural variation.	
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).	
w/o pres or current	with	
7	8	

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. Minimal cover by invasive/exotic plant species. Majority of plant covers is desirable plant species in all strata. No evidence of siltation/algal growth to impede submerged aquatic plant growth.	
	With mitigation: Diverse hardwood swamp that will be permanently protected. The CE and permit conditions will require baseline conditions be maintained or improved. Minimal cover by invasive/exotic plant species. Majority of plant covers is desirable plant species in all strata. No evidence of siltation/algal growth to impede submerged aquatic plant growth.	
w/o pres or current	with	
8	9	

Score = sum of above scores/30 (if uplands, divide by 20)
0.6667 0.8333

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1667

For impact assessment areas
Area Size (ac) = 2.13650042818
FL= delta x acres = N/A

Delta = [with-current]:
0.1667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1667
FG = RFG x acres = 0.36 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 03W-34-P	
FLUCCs Code: 617-630-511	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 15.3771
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Cattle pasture surrounds forested wetland. Brushy Creek runs through this large wetland system.				
Assessment Area Description: This is a 15.38-acre forested floodplain that contains Brushy Creek and 1 of its alternate channels.				
Significant Nearby Features: Brushy Creek		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Hogs, cattle, crow, fish (probably Gambusia), black vulture, red-shouldered hawk, gray squirrel, turkey vulture, robin				
Additional relevant factors: None				
Assessment conducted by: SCR			Assessment date(s): 16-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 03W-34-P
Impact or Mitigation Mitigation	Assessment conducted by: SCR/smg	Assessment Date: 16-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Area Land Uses have minimal adverse impacts on wildlife.			
w/o pres or current	with			
5	7			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: connects to other wetlands Brushy Creek flows through Brushy Creek was flowing at TOA (sidearm was not flowing, but with pools of water) areas along channel eroded- used as jeep/cattle crossings- there is a major crossing just E of the E boundary. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen. Water levels and flow slightly higher/lower than appropriate considering natural variation.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
7	8			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. Minimal cover by invasive/exotic plant species. Evidence of near normal regeneration/recruitment. Slightly lower/higher quantity of good structural habitat (see rule for details).			
	With mitigation: Floodplain vegetation that is very diverse. The CE and permit conditions will require baseline conditions be maintained or improved. Minimal cover by invasive/exotic plant species. Evidence of near normal regeneration/recruitment. Slightly lower/higher quantity of good structural habitat (see rule for details).			
w/o pres or current	with			
8	9			

Score = sum of above scores/30 (if uplands, divide by 20)
0.6667 0.8000

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1333

For impact assessment areas
Area Size (ac) = 15.3771256899
FL= delta x acres = N/A

Delta = [with-current]:
0.1333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1333
FG = RFG x acres = 2.05 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 03W-48-P	
FLUCCs Code: 630	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 0.0429
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by flatwoods with pasture outside of the flatwoods connects 2 wetlands				
Assessment Area Description: This is a 0.04-acre forested floodplain wetland connecting headwater wetlands to Brushy Creek.				
Significant Nearby Features: Abuts the Brushy Creek floodplain		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Hogs, cattle, cardinal, woodpecker, robin, crows, deer				
Additional relevant factors: None				
Assessment conducted by: SCR/AMF			Assessment date(s): 15-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 03W-48-P
Impact or Mitigation Mitigation	Assessment conducted by: SCR/AMF	Assessment Date: 15-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Wildlife access to/from AA is partially limited by distance or barriers.			
w/o pres or current	with			
5	7			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: banks steep, tree roots exposed no flow at TOA- only small pools of water eroded areas along this stretch that are used as jeep/cattle crossings connects to 2 wetlands. Unregulated/exempt activities could compromise water quantity/quality. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
7	8			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. Minimal cover by invasive/exotic plant species. Evidence of near normal regeneration/recruitment. Slightly lower/higher quantity of good structural habitat (see rule for details).			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Minimal cover by invasive/exotic plant species. Evidence of near normal regeneration/recruitment. Slightly lower/higher quantity of good structural habitat (see rule for details).			
w/o pres or current	with			
8	9			

Score = sum of above scores/30 (if uplands, divide by 20)
0.6667 0.8000

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1333

For impact assessment areas
Area Size (ac) = 0.04289292876
FL= delta x acres = N/A

Delta = [with-current]:
0.1333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1333
FG = RFG x acres = 0.01 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 03W-50-P	
FLUCCs Code: 617	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 1.3686
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by hardwoods, SW tip borders pasture, wetland connects to Brushy Creek				
Assessment Area Description: This is a 1.37-acre forested wetland				
Significant Nearby Features: Brushy Creek		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Black racer, cattle, hogs				
Additional relevant factors: None				
Assessment conducted by: SCR			Assessment date(s): 23-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 03W-50-P
Impact or Mitigation Mitigation	Assessment conducted by: SCR	Assessment Date: 23-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Area Land Uses have minimal adverse impacts on wildlife. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I.			
w/o pres or current	with			
5				8

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Connected to Brushy Creek at N. Unregulated and/or exempt agricultural activities in this AA and surrounding uplands could lead to changes in hydroperiod and/or degradation of water quality. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
7				8

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. Evidence of near normal regeneration/recruitment. All/nearly all of plant covers is by appropriate and desirable plant species in all strata.			
	With mitigation: Extremely diverse, mature forest. The CE and permit conditions will require baseline conditions be maintained or improved. Strong evidence of normal regeneration/recruitment. All/nearly all of plant covers is by appropriate and desirable plant species in all strata. No invasive/ exotic species. Land Management Practices generally appropriate.			
w/o pres or current	with			
8				9

Score = sum of above scores/30 (if uplands, divide by 20)
0.6667 0.8333

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1667

For impact assessment areas
Area Size (ac) = 1.36859832632
FL= delta x acres = N/A

Delta = [with-current]:
0.1667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1667
FG = RFG x acres = 0.23 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 06W-26-P	
FLUCCs Code: 630-512	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 0.5491
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by hardwoods, other wetlands nearby, connects two wetlands on E and W side. ~400 yds S of mine				
Assessment Area Description: This is a 0.55-acre forested floodplain wetland surrounded by hardwoods. Connects two large wetlands together on East and West side and ultimately discharges to Lettis Creek.				
Significant Nearby Features: Lettis Creek to W		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle, hog, hawk, barred owl				
Additional relevant factors:				
Assessment conducted by: LMP/SAE			Assessment date(s): 04-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 06W-26-P
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, raw crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Area Land Uses have minimal adverse impacts on wildlife. Habitat outside AA provide full range of habitats needed to support all wildlife in Pt. I. Discharges from AA significant to downstream areas, which could suffer substantial adverse impacts if quality/quantity were altered. Wildlife access to/from AA is not limited by distance or barriers.			
w/o pres or current	with			
5	9			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: No flow at TOS, some erosion due to unregulated cattle use. Unregulated and/or exempt agricultural activities in this AA and surrounding uplands could lead to changes in hydroperiod and/or degradation of water quality. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen. Water levels and flow slightly higher/lower than appropriate considering natural variation. Soil drier than appropriate, erosion/deposition patterns indicate minor alterations. Fire history does not indicate atypical fire frequency or severity due to excessive dryness. Vegetation or benthic community zonation in all strata appropriate for TOS.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
7	8			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. Strong evidence of normal regeneration/recruitment. Majority of plant covers is desirable plant species in all strata. Minimal cover by invasive/exotic plant species. Age/size distribution typical. Land Management Practices resulted in partial removal/alteration of natural structures, add some artificial features.			
	With mitigation: Forested stream with pines, oaks, palmettos, palms, some wetland grasses, juncus, iris. The CE and permit conditions will require baseline conditions be maintained or improved. Strong evidence of normal regeneration/recruitment. Majority of plant covers is desirable plant species in all strata. Minimal cover by invasive/exotic plant species. Age/size distribution typical.			
w/o pres or current	with			
7	8			

Score = sum of above scores/30 (if uplands, divide by 20)
0.6333 0.8333

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.2000

For impact assessment areas
Area Size (ac) = 0.5491225403
FL= delta x acres = N/A

Delta = [with-current]:
0.2000

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.2000
FG = RFG x acres = 0.11 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 06W-40-P	
FLUCCs Code: 617-641-643-513	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 0.8654
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connects wetlands together, surrounded by hardwoods, mine ~ 1/2 mi N.				
Assessment Area Description: This is a 0.87-acre herbaceous wetland dominated by Juncus, Panicum hemitomon, and Iris surrounded by hardwoods.				
Significant Nearby Features: Lettis Creek to W		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Pig				
Additional relevant factors:				
Assessment conducted by: SAE/LMP			Assessment date(s): 04-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 06W-40-P
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, raw crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Area Land Uses have minimal adverse impacts on wildlife. Habitat outside AA provide full range of habitats needed to support all wildlife in Pt. I. Wildlife access to/from AA is partially limited by distance or barriers.			
w/o pres or current	with			
5	9			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Moist soil at TOA. Unregulated pig and cattle influence. Ditch runs through center. Unregulated and/or exempt agricultural activities in this AA and surrounding uplands could lead to changes in hydroperiod and/or degradation of water quality. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen. Vegetation or benthic community zonation in some strata inappropriate for TOS.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
7	8			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. Much lower/higher quantity of good structure habitat (see rule for details) Reduction in extent of topo features. Majority of plant covers is desirable plant species in all strata . Land Management Practices resulted in partial removal/alteration of natural structures, add some artificial features.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Optimal structural habitat. Land Management Practices Optimal. Majority of plant covers is desirable plant species in all strata .			
w/o pres or current	with			
7	8			

Score = sum of above scores/30 (if uplands, divide by 20)
0.6333 0.8333

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.2000

For impact assessment areas
Area Size (ac) = 0.86538921677
FL= delta x acres = N/A

Delta = [with-current]:
0.2000

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.2000
FG = RFG x acres = 0.17 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 06W-42-P	
FLUCCs Code: 617-641-616-513	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 3.6329
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected to wetland on W, surrounded by hardwoods and flatwoods, Mine ~1/2 mi N				
Assessment Area Description: This is a 3.63-acre part forested wetland part herbaceous wetland with a diversity of plants surrounded by hardwoods.				
Significant Nearby Features: Lettis Creek to W		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Pair of woodstorks, many small birds, cattle, hog				
Additional relevant factors: Dead trees in center, excellent bird habitat				
Assessment conducted by: LMP/SAE			Assessment date(s): 04-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 06W-42-P
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Area Land Uses have minimal adverse impacts on wildlife. Habitat outside AA provide full range of habitats needed to support all wildlife in Pt. I. Wildlife access to/from AA is not limited by distance or barriers. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA.			
w/o pres or current	with			
5	9			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Large center with deep water and some dead and some live trees. Some cattle and pig influence. Unregulated and/or exempt agricultural activities in this AA and surrounding uplands could lead to changes in hydroperiod and/or degradation of water quality. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen. Vegetation or benthic community zonation in all strata appropriate for TOS. Vegetation shows some signs of hydrologic stress.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
7	8			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. Majority of plant covers is desirable plant species in all strata. Minimal cover by invasive/exotic plant species. Evidence of near normal regeneration/recruitment. Age/size distribution typical, may show temporary deviations. Land Management Practices resulted in partial removal/alteration of natural structures, add some artificial features.			
	With mitigation: Diverse and well-managed vegetative community. The CE and permit conditions will require baseline conditions be maintained or improved. Optimal structural habitat. Land Management Practices Optimal. Age/size distribution typical.			
w/o pres or current	with			
8	9			

Score = sum of above scores/30 (if uplands, divide by 20)
0.6667 0.8667

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.2000

For impact assessment areas
Area Size (ac) = 3.63289003741
FL= delta x acres = N/A

Delta = [with-current]:
0.2000

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.2000
FG = RFG x acres = 0.73 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 06W-54-P	
FLUCCs Code: 617-513		Further Classification: N/A		Impact or Mitigation Site? Mitigation	
				Assessment Area Size (ac): 0.2228	
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class		Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A	
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Part of a chain of wetlands surrounded by hardwoods. Mine ~1/2 mi N					
Assessment Area Description: This is a 0.22-acre forested floodplain wetland surrounded by hardwoods. Connects two large wetlands together on East and West side and ultimately discharges to Lettis Creek.					
Significant Nearby Features: Lettis Creek to W			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Pig, cattle					
Additional relevant factors:					
Assessment conducted by: SAE/LMP				Assessment date(s): 04-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 06W-54-P
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.	
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Habitat outside AA provide full range of habitats needed to support all wildlife in Pt. I. Area Land Uses have minimal adverse impacts on wildlife.	
w/o pres or current	with	
5	9	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Unregulated pig and cattle influence. Unregulated and/or exempt agricultural activities in this AA and surrounding uplands could lead to changes in hydroperiod and/or degradation of water quality. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen. Soil drier than appropriate, erosion/deposition patterns indicate minor alterations. Fire history does not indicate atypical fire frequency or severity due to excessive dryness.	
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).	
w/o pres or current	with	
7	8	

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. Age/size distribution typical, may show temporary deviations. Majority of plant covers is desirable plant species in all strata. Minimal evidence of regeneration/recruitment. Topo features present and normal. Slightly lower/higher quantity of good structural habitat (see rule for details).	
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Age/size distribution typical, may show temporary deviations. Majority of plant covers is desirable plant species in all strata. Minimal evidence of regeneration/recruitment. Topo features present and normal.	
w/o pres or current	with	
8	9	

Score = sum of above scores/30 (if uplands, divide by 20)
0.6667 0.8667

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.2000

For impact assessment areas
Area Size (ac) = 0.22275428279
FL= delta x acres = N/A

Delta = [with-current]:
0.2000

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.2000
FG = RFG x acres = 0.04 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 06W-62-P	
FLUCCs Code: 641-617	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 2.2465
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected to a larger wetland, surrounded by flatwoods and hardwoods within a large natural area				
Assessment Area Description: This is a 2.25-acre herbaceous wetland connected to a larger wetland surrounded by flatwoods and hardwoods.				
Significant Nearby Features: Lettis Creek flows through connecting wetland.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Water bird foraging, amphibian breeding, seasonal fish habitat, turtles, frog, water snakes		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Pig, cattle				
Additional relevant factors:				
Assessment conducted by: LMP/SAE			Assessment date(s): 26-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 06W-62-P
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.	
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Discharges from AA significant to downstream areas, which could suffer substantial adverse impacts if quality/quantity were altered. Area Land Uses have minimal adverse impacts on wildlife.	
w/o pres or current	with	
5	9	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Standing water; deep in center. This area has been and would likely continue to be degraded by local/regional ditch network and agricultural activities. Unregulated/exempt activities could compromise water quantity/quality. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen.	
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).	
w/o pres or current	with	
7	8	

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Majority of plant covers is desirable plant species in all strata. Much lower/higher quantity of good structure habitat (see rule for details) Land Management Practices generally appropriate. Reduction in extent of topo features.	
	With mitigation: Thalia in center. Patches of Juncus and Iris. Cyperus. The CE and permit conditions will require baseline conditions be maintained or improved. Majority of plant covers is desirable plant species in all strata. Much lower/higher quantity of good structure habitat (see rule for details) Land Management Practices generally appropriate. Reduction in extent of topo features.	
w/o pres or current	with	
6	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.6000 0.8000

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.2000

For impact assessment areas
Area Size (ac) = 2.24645438253
FL= delta x acres = N/A

Delta = [with-current]:
0.2000

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.2000
FG = RFG x acres = 0.45 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 06W-63-P	
FLUCCs Code: 617	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 0.3433
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Part of large wetland complex				
Assessment Area Description: This is a 0.34-acre hardwood swamp.				
Significant Nearby Features: Lettis Creek		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) None				
Additional relevant factors: None				
Assessment conducted by: SMG			Assessment date(s): 10-Jul-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 06W-63-P
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Wildlife access to/from AA is partially limited by distance or barriers. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I.			
w/o pres or current	with			
5	9			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: This area has been and would likely continue to be degraded by local/regional ditch network and agricultural activities. Unregulated/exempt activities could compromise water quantity/quality.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
7	8			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. Majority of plant covers is desirable plant species in all strata. Much lower/higher quantity of good structure habitat (see rule for details)			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved.			
w/o pres or current	with			
6	7			

Score = sum of above scores/30 (if uplands, divide by 20)
0.6000 0.8000

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.2000

For impact assessment areas
Area Size (ac) = 0.34332990394
FL= delta x acres = N/A

Delta = [with-current]:
0.2000

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.2000
FG = RFG x acres = 0.07 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 06W-64-P	
FLUCCs Code: 641-643		Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 4.6031
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by flatwoods and hardwoods, within a large natural area.					
Assessment Area Description: This is a 4.60-acre herbaceous wetland surrounded by flatwoods and hardwoods.					
Significant Nearby Features: Lettis Creek flows through wetland.			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Water bird foraging, amphibian breeding, seasonal fish habitat, turtles, frog, water snakes			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Great blue heron					
Additional relevant factors:					
Assessment conducted by: LMP/SAE				Assessment date(s): 26-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 06W-64-P
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Wildlife access to/from AA is partially limited by distance or barriers. Area Land Uses have minimal adverse impacts on wildlife.			
w/o pres or current	with			
5	9			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Standing water throughout. Very large deep open water center with very little Pontederia. Large patches of open water. Unregulated/exempt activities could compromise water quantity/quality. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
7	8			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Majority of plant covers is desirable plant species in all strata. Much lower/higher quantity of good structure habitat (see rule for details) Land Management Practices generally appropriate. Reduction in extent of topo features.			
	With mitigation: Juncus, maiden cane, Iris, Andropogon. The CE and permit conditions will require baseline conditions be maintained or improved. Majority of plant covers is desirable plant species in all strata. Much lower/higher quantity of good structure habitat (see rule for details) Land Management Practices generally appropriate. Reduction in extent of topo features.			
w/o pres or current	with			
6	7			

Score = sum of above scores/30 (if uplands, divide by 20)
0.6000 0.8000

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.2000

For impact assessment areas
Area Size (ac) = 4.60314082145
FL= delta x acres = N/A

Delta = [with-current]:
0.2000

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.2000
FG = RFG x acres = 0.92 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 06W-65-P	
FLUCCs Code: 617-513-643	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 1.1486
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Part of Lettis Creek headwater wetland system				
Assessment Area Description: This is a 1.15-acre hardwood swamp.				
Significant Nearby Features: Lettis Creek		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) None				
Additional relevant factors: None				
Assessment conducted by: SMG			Assessment date(s): 10-Jul-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 06W-65-P
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, raw crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Discharges from AA significant to downstream areas, which could suffer substantial adverse impacts if quality/quantity were altered. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I.			
w/o pres or current	with			
5	9			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: This area has been and would likely continue to be degraded by local/regional ditch network and agricultural activities. Unregulated/exempt activities could compromise water quantity/quality.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
7	8			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. Much lower/higher quantity of good structure habitat (see rule for details) Majority of plant covers is desirable plant species in all strata .			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved.			
w/o pres or current	with			
6	7			

Score = sum of above scores/30 (if uplands, divide by 20)
0.6000 0.8000

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.2000

For impact assessment areas
Area Size (ac) = 1.14857559787
FL= delta x acres = N/A

Delta = [with-current]:
0.2000

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.2000
FG = RFG x acres = 0.23 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 06W-66-P	
FLUCCs Code: 617	Further Classification:		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 0.2791
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Isolated, non-jurisdictional wetland that is within ~100' of the large enhancement marsh that feeds to Lettis Creek. Hydrologic improvements may restore/provide a connection.				
Assessment Area Description: This is a 0.28-acre hardwood swamp surrounded by upland hardwoods.				
Significant Nearby Features: Within 100' of enhancement wetland.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) None				
Additional relevant factors:				
Assessment conducted by: SAE/LMP			Assessment date(s): 04-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 06W-66-P
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have significant adverse impacts on wildlife.	
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Area Land Uses have minimal adverse impacts on wildlife. Habitat outside AA provide full range of habitats needed to support all wildlife in Pt. I.	
w/o pres or current	with	
5	9	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Hydrologically isolated. Unregulated cattle and pig influence. Dry at TOA. This area has been and would likely continue to be degraded by local/regional ditch network and agricultural activities. Much of the plant community composition is characterized by species tolerant of and associated with moderate water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow slightly higher/lower than appropriate considering natural variation.	
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Soil: moisture appropriate, erosion/deposition patterns no atypical conditions.	
w/o pres or current	with	
7	8	

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. Majority of plant covers is desirable plant species in all strata. Age/size distribution typical, may show temporary deviations.	
	With mitigation: Juncus, sawgrass, iris. Much lower/higher quantity of good structure habitat (see rule for details). The CE and permit conditions will require baseline conditions be maintained or improved. All/nearly all of plant covers is by appropriate and desirable plant species in all strata. Age/size distribution typical.	
w/o pres or current	with	
5	6	

Score = sum of above scores/30 (if uplands, divide by 20)
0.5667 0.7667

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.2000

For impact assessment areas
Area Size (ac) = 0.2791
FL= delta x acres = N/A

Delta = [with-current]:
0.2000

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.2000
FG = RFG x acres = 0.06 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 06W-77-P	
FLUCCs Code: 617	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 0.0104
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands None				
Assessment Area Description: This is a 0.01-acre forested wetland abutting upland cut ditch.				
Significant Nearby Features: Lettis Creek		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) None				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 06W-77-P
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Wildlife access to/from AA is partially limited by distance or barriers. Area Land Uses have minimal adverse impacts on wildlife.			
w/o pres or current	with			
5	7			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: This area has been and would likely continue to be degraded by local/regional ditch network and agricultural activities. Unregulated/exempt activities could compromise water quantity/quality.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
5	6			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. Land Management Practices resulted in partial removal/alteration of natural structures, add some artificial features. Much lower/higher quantity of good structure habitat (see rule for details) Majority of plant covers is by undesirable plant species (invasive/exotic) in all strata. Age/size distribution atypical, show permanent deviations.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved.			
w/o pres or current	with			
3	4			

Score = sum of above scores/30 (if uplands, divide by 20)
0.4333 0.5667

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1333

For impact assessment areas
Area Size (ac) = 0.01036735208
FL= delta x acres = N/A

Delta = [with-current]:
0.1333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1333
FG = RFG x acres = 0.00 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 06W-78-P	
FLUCCs Code: 643-641-626	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 1.6618
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Hydrologically isolated but deemed jurisdictional by the USACE in the 2012 Jurisdictional Verification. Surrounded by flatwoods and hardwoods within a large natural area.</p>				
<p>Assessment Area Description:</p> <p>This is a 1.66-acre herbaceous wetland dominated by Andropogon surrounded by flatwoods and hardwoods and within a large natural area.</p>				
Significant Nearby Features: Lettis Creek to W		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Water bird foraging, amphibian breeding, seasonal fish habitat, turtles, frog, water snakes		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Heavy hog damage, cattle, armadillo, cricket frog				
Additional relevant factors:				
Assessment conducted by: SAE/LMP			Assessment date(s): 26-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 06W-78-P
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.	
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Area Land Uses have minimal adverse impacts on wildlife. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I.	
w/o pres or current	with	
5	9	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Standing water throughout with a deep, large open water center. No zonation. Unregulated and/or exempt agricultural activities in this AA and surrounding uplands could lead to changes in hydroperiod and/or degradation of water quality. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.	
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).	
w/o pres or current	with	
7	8	

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Reduction in extent of topo features. Much lower/higher quantity of good structure habitat (see rule for details)	
	With mitigation: Dominated by andropogon. Hypericum and Xyris throughout. Cyperus, wetland grasses. The CE and permit conditions will require baseline conditions be maintained or improved. Reduction in extent of topo features. Age/size distribution typical, may show temporary deviations.	
w/o pres or current	with	
5	6	

Score = sum of above scores/30 (if uplands, divide by 20)
0.5667 0.7667

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.2000

For impact assessment areas
Area Size (ac) = 1.66175724821
FL= delta x acres = N/A

Delta = [with-current]:
0.2000

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.2000
FG = RFG x acres = 0.33 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 07W-40-P	
FLUCCs Code: 617-512	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 0.1228
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by hardwoods/flatwoods, pasture ~100 yards West. Flows from one wetland to another.				
Assessment Area Description: Floodplain of a tributary of Lettiss Creek flowing from a Northern wetland to a Southern wetland.				
Significant Nearby Features: LC ~600 yds West		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Fish				
Additional relevant factors:				
Assessment conducted by: SAE/LMP			Assessment date(s): 25-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 07W-40-P
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, raw crops, etc.) Wildlife access to/from AA is substantially limited, by distance or barriers. Discharges from AA provide minimal benefits to downstream areas, which could be altered if quality/quantity were altered.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Wildlife access to/from AA is not limited by distance or barriers. Discharges from AA significant to downstream areas, which could suffer substantial adverse impacts if quality/quantity were altered. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Habitat outside AA provide full range of habitats needed to support all wildlife in Pt. I.			
w/o pres or current	with			
5	8			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Unregulated and/or exempt agricultural activities in this AA and surrounding uplands could lead to changes in hydroperiod and/or degradation of water quality. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen. Existing water quality data indicates moderate deviation from norm, but not expected to cause more than minimal effects.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen. Existing water quality data indicates slight deviation from norm, but not expected to cause more than minimal effects.			
w/o pres or current	with			
6	7			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. Majority of plant covers is desirable plant species in all strata . Land Management Practices generally appropriate.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. All/nearly all of plant covers is by appropriate and desirable plant species in all strata. Land Management Practices Optimal.			
w/o pres or current	with			
8	9			

Score = sum of above scores/30 (if uplands, divide by 20)
0.6333 0.8000

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1667

For impact assessment areas
Area Size (ac) = 0.12284307784
FL= delta x acres = N/A

Delta = [with-current]:
0.1667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1667
FG = RFG x acres = 0.02 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 07W-46-P	
FLUCCs Code: 641-630	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 1.5514
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Hydrologically isolated but deemed jurisdictional by the USACE in the 2012 Jurisdictional Verification. Surrounded by hardwoods (75%) and pasture (25%). Lettis Creek <100 yds to E.</p>				
<p>Assessment Area Description:</p> <p>This is a 1.55-acre herbaceous wetland with large deep open water center dominated by Juncus.</p>				
Significant Nearby Features: Lettis Creek <100 yds E.		<p>Uniqueness (considering the relative rarity in relation to the regional landscape.)</p> <p>None</p>		
<p>Functions:</p> <p>Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.</p>		<p>Mitigation for previous permit/other historic use:</p> <p>None</p>		
<p>Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)</p> <p>Water bird foraging, amphibian breeding, seasonal fish habitat, turtles, frog, water snakes</p>		<p>Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area):</p> <p>American Alligator (FT, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage)</p>		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>Red shouldered hawk, cattle.</p>				
<p>Additional relevant factors:</p> <p>Small dead trees scattered throughout.</p>				
Assessment conducted by: LMP/SAE			Assessment date(s): 26-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 07W-46-P
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Wildlife access to/from AA is partially limited by distance or barriers. Area Land Uses have minimal adverse impacts on wildlife.			
w/o pres or current	with			
5	6			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Deep open water center and 3"-8" standing water throughout rest of area. Hydrologically isolated. Unregulated/exempt activities could compromise water quantity/quality. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
5	6			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Majority of plant covers is desirable plant species in all strata .			
	With mitigation: Dominated by Juncus. The CE and permit conditions will require baseline conditions be maintained or improved. Land Management Practices Optimal. Majority of plant covers is desirable plant species in all strata .			
w/o pres or current	with			
5	6			

Score = sum of above scores/30 (if uplands, divide by 20)
0.5000 0.6000

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1000

For impact assessment areas
Area Size (ac) = 1.55140812524
FL= delta x acres = N/A

Delta = [with-current]:
0.1000

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1000
FG = RFG x acres = 0.16 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 07W-50-P	
FLUCCs Code: 641-630	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 1.5748
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Hydrologically isolated but deemed jurisdictional by the USACE in the 2012 Jurisdictional Verification. Surrounded by hardwoods. Pasture <200 yds East.				
Assessment Area Description: This is a 1.57-acre herbaceous wetland dominated by Juncus.				
Significant Nearby Features: ~150 yds W of Lettis Creek		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Water bird foraging, amphibian breeding, seasonal fish habitat, turtles, frog, water snakes		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle, hog				
Additional relevant factors: 				
Assessment conducted by: SAE			Assessment date(s): 26-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 07W-50-P
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Wildlife access to/from AA is partially limited by distance or barriers. Area Land Uses have minimal adverse impacts on wildlife.			
w/o pres or current	with			
5	7			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Unregulated cattle and pig influence. No zonation. Many open water areas. Unregulated and/or exempt agricultural activities in this AA and surrounding uplands could lead to changes in hydroperiod and/or degradation of water quality. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
6	7			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Majority of plant covers is desirable plant species in all strata. Much lower/higher quantity of good structure habitat (see rule for details)			
	With mitigation: Dominated by Juncus. Many open water areas. Scattered patches of iris. Wetland grasses. The CE and permit conditions will require baseline conditions be maintained or improved. Majority of plant covers is desirable plant species in all strata. Land Management Practices Optimal.			
w/o pres or current	with			
7	8			

Score = sum of above scores/30 (if uplands, divide by 20)
0.6000 0.7333

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1333

For impact assessment areas
Area Size (ac) = 1.57477348876
FL= delta x acres = N/A

Delta = [with-current]:
0.1333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1333
FG = RFG x acres = 0.21 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 07W-52-P	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 0.6679
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Hydrologically isolated but deemed jurisdictional by the USACE in the 2012 Jurisdictional Verification. Surrounded by upland hardwoods. Lettis creek <50 yds East.				
Assessment Area Description: This is a 0.67-acre herbaceous wetland dominated by Juncus and surrounded by upland hardwoods.				
Significant Nearby Features: Lettis Creek <50 yds E		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Water bird foraging, amphibian breeding, seasonal fish habitat, turtles, frog, water snakes		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Red shouldered hawk				
Additional relevant factors:				
Assessment conducted by: LMP/SAE			Assessment date(s): 26-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 07W-52-P
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, raw crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Wildlife access to/from AA is partially limited by distance or barriers. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Area Land Uses have minimal adverse impacts on wildlife.			
w/o pres or current	with			
5	8			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Standing water throughout. Cattle influence. Unregulated and/or exempt agricultural activities in this AA and surrounding uplands could lead to changes in hydroperiod and/or degradation of water quality. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen. Much of the plant community composition is characterized by species tolerant of and associated with moderate water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
7	8			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Majority of plant covers is desirable plant species in all strata.			
	With mitigation: Dominated by Juncus; small patches of sawgrass. The CE and permit conditions will require baseline conditions be maintained or improved. Majority of plant covers is desirable plant species in all strata. Land Management Practices Optimal.			
w/o pres or current	with			
6	7			

Score = sum of above scores/30 (if uplands, divide by 20)
0.6000 0.7667

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1667

For impact assessment areas
Area Size (ac) = 0.66789301352
FL= delta x acres = N/A

Delta = [with-current]:
0.1667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1667
FG = RFG x acres = 0.11 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 07W-54A-P	
FLUCCs Code: 617-641-511	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 17.9466
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by hardwoods on W and Pasture on E side. Lettis creek flows through on W side from N to S. Connects a chain of wetlands				
Assessment Area Description: This is a 17.95-acre forested area containing Lettis Creek which flows through on West side from North to South.				
Significant Nearby Features: Lettis Creek		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Red shouldered hawk, cattle, hog				
Additional relevant factors:				
Assessment conducted by: SAE/LMP			Assessment date(s): 26-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 07W-54A-P
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Wildlife access to/from AA is partially limited by distance or barriers. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Discharges from AA significant to downstream areas, which could suffer substantial adverse impacts if quality/quantity were altered.			
w/o pres or current	with			
5	7			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Steep banks; eroded in some areas. Unregulated cattle and pig influence. Dead cow in water. Unregulated and/or exempt agricultural activities in this AA and surrounding uplands could lead to changes in hydroperiod and/or degradation of water quality. Fire history indicates strongly atypical fire frequency or severity due to excessive dryness. Water levels and flow appear appropriate considering natural variation.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
7	8			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. Evidence of near normal regeneration/recruitment. Age/size distribution typical, may show temporary deviations. No invasive/ exotic species. Slightly lower/higher quantity of good structural habitat (see rule for details).			
	With mitigation: Excellent structural diversity. Large herbaceous area on E side of wetland with standing water. Iris and Saururus cernuus, juncus, Cladium also found. The CE and permit conditions will require baseline conditions be maintained or improved. Evidence of near normal regeneration/recruitment. Age/size distribution typical, may show temporary deviations. No invasive/ exotic species. Slightly lower/higher quantity of good structural habitat (see rule for details).			
w/o pres or current	with			
8	9			

Score = sum of above scores/30 (if uplands, divide by 20)
0.6667 0.8000

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1333

For impact assessment areas
Area Size (ac) = 17.9465515918
FL= delta x acres = N/A

Delta = [with-current]:
0.1333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1333
FG = RFG x acres = 2.39 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 07W-62-P	
FLUCCs Code: 617-511-512-643	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 10.8972
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by cattle pasture. Lettis creek runs through area connecting a chain of wetlands.				
Assessment Area Description: Lettis Creek and tributaries flow in and out of this forested area connecting it to many other wetlands.				
Significant Nearby Features: Lettis Creek flows through area.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle, hog, snowy egret				
Additional relevant factors:				
Assessment conducted by: SAE/LMP			Assessment date(s): 25-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 07W-62-P
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, raw crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.	
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Discharges from AA significant to downstream areas, which could suffer substantial adverse impacts if quality/quantity were altered.	
w/o pres or current	with	
5	7	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Soggy soil throughout ; standing water in some areas. Unregulated cattle and pig influence. Forested wetland containing Lettis Creek. Unregulated/exempt activities could compromise water quantity/quality. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen.	
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).	
w/o pres or current	with	
6	7	

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. Majority of plant covers is by undesirable plant species (invasive/exotic) in all strata . Minimal cover by invasive/exotic plant species .	
	With mitigation: Oaks, palmettos, wax myrtles, pines, fallen trees. Wetland grasses, iris, andropogon, juncus. Many large hardwoods throughout. The CE and permit conditions will require baseline conditions be maintained or improved. Majority of plant covers is desirable plant species in all strata . Age/size distribution typical, may show temporary deviations. Slightly lower/higher quantity of good structural habitat (see rule for details). Topo features slightly less optimal.	
w/o pres or current	with	
7	8	

Score = sum of above scores/30 (if uplands, divide by 20)
0.6000 0.7333

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1333

For impact assessment areas
Area Size (ac) = 10.8971510238
FL= delta x acres = N/A

Delta = [with-current]:
0.1333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1333
FG = RFG x acres = 1.45 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 07W-64-P	
FLUCCs Code: 617-511	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 2.9677
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by flatwoods and hardwoods; Stream connects wetlands together E and W. Also connected to another stream to south.				
Assessment Area Description: Lettis Creek floodplain connected to a large chain of wetlands throughout area.				
Significant Nearby Features: Lettis Creek ~200 yds W.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Fish				
Additional relevant factors:				
Assessment conducted by: SAE/LMP			Assessment date(s): 25-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 07W-64-P
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, raw crops, etc.) Wildlife access to/from AA is substantially limited, by distance or barriers. Discharges from AA provide minimal benefits to downstream areas, which could be altered if quality/quantity were altered.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Wildlife access to/from AA is partially limited by distance or barriers. Discharges from AA significant to downstream areas, which could suffer substantial adverse impacts if quality/quantity were altered.			
w/o pres or current	with			
5	8			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Unregulated and/or exempt agricultural activities in this AA and surrounding uplands could lead to changes in hydroperiod and/or degradation of water quality. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen. Existing water quality data indicates moderate deviation from norm, but not expected to cause more than minimal effects.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen. Existing water quality data indicates slight deviation from norm, but not expected to cause more than minimal effects.			
w/o pres or current	with			
7	8			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. Majority of plant covers is desirable plant species in all strata . Land Management Practices generally appropriate.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. All/nearly all of plant covers is by appropriate and desirable plant species in all strata. Land Management Practices Optimal.			
w/o pres or current	with			
8	9			

Score = sum of above scores/30 (if uplands, divide by 20)
0.6667 0.8333

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1667

For impact assessment areas
Area Size (ac) = 2.96769318893
FL= delta x acres = N/A

Delta = [with-current]:
0.1667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1667
FG = RFG x acres = 0.49 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 07W-66-P	
FLUCCs Code: 617-511	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 3.1584
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by hardwood and flatwoods with pasture <100 yds S. Connected to other wetlands East and West via the narrow channel of Lettis Creek.				
Assessment Area Description: This is a 3.16-acre forested wetland with an open water and open canopy in center. Lettis Creek flows through connecting AA with a chain of wetlands.				
Significant Nearby Features: Lettis Creek connects to area.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Pileated woodpecker, fish				
Additional relevant factors:				
Assessment conducted by: LMP/SAE			Assessment date(s): 25-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 07W-66-P
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, raw crops, etc.) Wildlife access to/from AA is substantially limited, by distance or barriers. Discharges from AA provide minimal benefits to downstream areas, which could be altered if quality/quantity were altered.	
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Wildlife access to/from AA is partially limited by distance or barriers. Discharges from AA significant to downstream areas, which could suffer substantial adverse impacts if quality/quantity were altered.	
w/o pres or current	with	
5	8	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Unregulated and/or exempt agricultural activities in this AA and surrounding uplands could lead to changes in hydroperiod and/or degradation of water quality. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen. Existing water quality data indicates moderate deviation from norm, but not expected to cause more than minimal effects.	
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen. Existing water quality data indicates slight deviation from norm, but not expected to cause more than minimal effects.	
w/o pres or current	with	
6	7	

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. Majority of plant covers is desirable plant species in all strata. Land Management Practices generally appropriate.	
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. All/nearly all of plant covers is by appropriate and desirable plant species in all strata. Land Management Practices Optimal.	
w/o pres or current	with	
8	9	

Score = sum of above scores/30 (if uplands, divide by 20)
0.6333 0.8000

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1667

For impact assessment areas	
Area Size (ac) =	3.1584151851
FL= delta x acres =	N/A

Delta = [with-current]:
0.1667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.1667
FG = RFG x acres =	0.53 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 07W-68-P	
FLUCCs Code: 617-511-630	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 0.9837
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Flatwoods to N and pasture to S. Connects to another wetland on W and a ditch to E.				
Assessment Area Description: This is a 0.98-acre forested floodplain wetland connected to a chain of wetlands and Lettis Creek; surrounded by hardwoods with pasture <25 S.				
Significant Nearby Features: Connected to Lettis Creek		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Fish, dead cattle in stream				
Additional relevant factors:				
Assessment conducted by: LMP/SAE			Assessment date(s): 25-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 07W-68-P
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, raw crops, etc.) Wildlife access to/from AA is substantially limited, by distance or barriers. Discharges from AA provide minimal benefits to downstream areas, which could be altered if quality/quantity were altered.	
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Wildlife access to/from AA is partially limited by distance or barriers. Discharges from AA significant to downstream areas, which could suffer substantial adverse impacts if quality/quantity were altered.	
w/o pres or current	with	
5	7	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Unregulated and/or exempt agricultural activities in this AA and surrounding uplands could lead to changes in hydroperiod and/or degradation of water quality. Ag expansion from South could degrade WQ but native habitat & "upstream" wetland still buffer. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen. Existing water quality data indicates moderate deviation from norm, but not expected to cause more than minimal effects.	
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen. Existing water quality data indicates slight deviation from norm, but not expected to cause more than minimal effects.	
w/o pres or current	with	
5	6	

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. Majority of plant covers is desirable plant species in all strata . Land Management Practices generally appropriate.	
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. All/nearly all of plant covers is by appropriate and desirable plant species in all strata. Land Management Practices Optimal.	
w/o pres or current	with	
8	9	

Score = sum of above scores/30 (if uplands, divide by 20)
0.6000 0.7333

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1333

For impact assessment areas
Area Size (ac) = 0.98367677256
FL= delta x acres = N/A

Delta = [with-current]:
0.1333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1333
FG = RFG x acres = 0.13 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 07W-70-P	
FLUCCs Code: 617	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 0.5717
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Hydrologically isolated but deemed jurisdictional by the USACE in the 2012 Jurisdictional Verification. Surrounded by upland hardwoods with pasture beyond that to the South; Lettis creek ~75 yds East.</p>				
<p>Assessment Area Description:</p> <p>This is a 0.52-acre forested wetland dominated by Juncus.</p>				
Significant Nearby Features: ~75 yds West of Lettis Creek		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Deer, hog, cattle				
Additional relevant factors:				
Assessment conducted by: SAE/LMP			Assessment date(s): 25-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 07W-70-P
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Area Land Uses have minimal adverse impacts on wildlife. Wildlife access to/from AA is partially limited by distance or barriers.			
w/o pres or current	with			
5	7			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Standing water in areas, moist soil throughout at TOA. Cattle influence, no zonation. Unregulated and/or exempt agricultural activities in this AA and surrounding uplands could lead to changes in hydroperiod and/or degradation of water quality. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
7	8			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. Majority of plant covers is desirable plant species in all strata . Slightly lower/higher quantity of good structural habitat (see rule for details).			
	With mitigation: dominated by Juncus; Iris. Oaks, pines, palms scattered throughout wetland. Good canopy coverage. The CE and permit conditions will require baseline conditions be maintained or improved. Majority of plant covers is desirable plant species in all strata . Slightly lower/higher quantity of good structural habitat (see rule for details).			
w/o pres or current	with			
7	8			

Score = sum of above scores/30 (if uplands, divide by 20)
0.6333 0.7667

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1333

For impact assessment areas
Area Size (ac) = 0.57170916916
FL= delta x acres = N/A

Delta = [with-current]:
0.1333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1333
FG = RFG x acres = 0.08 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 07W-74-P	
FLUCCs Code: 641-643	Further Classification:		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 1.1650
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Pasture to the South, Lettis Creek channel less than 100' to the North. Considered non-jurisdictional in the 2012 Jurisdictional Verification.				
Assessment Area Description: This is a 1.17-acre herbaceous wetland.				
Significant Nearby Features: Lettis Creek ~100' North.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Water bird foraging, amphibian breeding, seasonal fish habitat, turtles, frog, water snakes		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)				
Additional relevant factors:				
Assessment conducted by: SAE/LMP			Assessment date(s): 20-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 07W-74-P
Impact or Mitigation Mitigation	Assessment conducted by:	Assessment Date:

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, raw crops, etc.)	
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved.	
w/o pres or current	with	
5	7	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Unregulated and/or exempt agricultural activities in this AA and surrounding uplands could lead to changes in hydroperiod and/or degradation of water quality.	
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved.	
w/o pres or current	with	
7	8	

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use.	
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved.	
w/o pres or current	with	
6	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.6000 0.7333

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1333

For impact assessment areas	
Area Size (ac) =	1.165
FL= delta x acres =	N/A

Delta = [with-current]:
0.1333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.1333
FG = RFG x acres =	0.16 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 07W-76-P	
FLUCCs Code: 630-617	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 0.5315
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Seasonally connected to Lettis Creek. Surrounded by hardwoods with pasture about 100 yards West and a jeep trail 100 yards to the East.				
Assessment Area Description: This is a 0.53-acre forested wetland with lots of Iris and Juncus in the groundcover.				
Significant Nearby Features: Lettis Creek less than 1/4 mile Northwest.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Pig, cattle				
Additional relevant factors:				
Assessment conducted by: SAE/LMP			Assessment date(s): 20-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 07W-76-P
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, raw crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Area Land Uses have minimal adverse impacts on wildlife.			
w/o pres or current	with			
5	7			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Unregulated and/or exempt agricultural activities in this AA and surrounding uplands could lead to changes in hydroperiod and/or degradation of water quality. Slight expansion in Ag activity or jeep trail/fence could degrade WQ and/or change hydrology. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen. Existing water quality data indicates moderate deviation from norm, but not expected to cause more than minimal effects.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen. Existing water quality data indicates slight deviation from norm, but not expected to cause more than minimal effects.			
w/o pres or current	with			
6	7			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. Minimal evidence of regeneration/recruitment. Land Management Practices generally appropriate.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Minimal cover by invasive/exotic plant species. All/nearly all of plant covers is by appropriate and desirable plant species in all strata.			
w/o pres or current	with			
7	8			

Score = sum of above scores/30 (if uplands, divide by 20)
0.6000 0.7333

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1333

For impact assessment areas
Area Size (ac) = 0.53145805138
FL= delta x acres = N/A

Delta = [with-current]:
0.1333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1333
FG = RFG x acres = 0.07 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 11W-02A-P	
FLUCCs Code: 611-617	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 16.4188
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Part of a larger wetland; surrounded by hardwoods and cattle pasture. Part of understory of hardwoods has been cleared. Wetland is directly connected to Brushy creek.</p>				
<p>Assessment Area Description:</p> <p>This is a 16.42-acre forested seepage wetland dominated by sweetgum. Canopy appears to be much more open than on the aerial.</p>				
Significant Nearby Features: Connected to Brushy Creek		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) White Ibis, leopard frog, mosquitofish				
Additional relevant factors:				
Assessment conducted by: SMG/SCR			Assessment date(s): 06-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 11W-02A-P
Impact or Mitigation Mitigation	Assessment conducted by: SCR/SMG	Assessment Date: 06-Jan-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved.			
w/o pres or current	with			
5	8			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: pasture and lack of upslope vegetation has allowed for minor channelization and erosion. Unregulated and/or exempt agricultural activities in this AA and surrounding uplands could lead to changes in hydroperiod and/or degradation of water quality. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen. Water levels and flow slightly higher/lower than appropriate considering natural variation.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
6	7			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. Land Management Practices generally appropriate. Minimal cover by invasive/exotic plant species. Majority of plant covers is desirable plant species in all strata.			
	With mitigation: Extremely diverse vegetative community. The CE and permit conditions will require baseline conditions be maintained or improved. Land Management Practices generally appropriate. Minimal cover by invasive/exotic plant species. Majority of plant covers is desirable plant species in all strata.			
w/o pres or current	with			
8	9			

Score = sum of above scores/30 (if uplands, divide by 20)
0.6333 0.8000

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1667

For impact assessment areas
Area Size (ac) = 16.4187669705
FL= delta x acres = N/A

Delta = [with-current]:
0.1667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1667
FG = RFG x acres = 2.74 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 11W-02C-P	
FLUCCs Code: 617-511-611	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 15.7285
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected to larger wetland; contains portions of the Brushy Creek channel surrounded by hardwoods.				
Assessment Area Description: This is a 15.73-acre forested wetland containing Brushy Creek channel. Heterogeneous internal structure contains pockets of Fraxinus carolinina and a Sabal palmetto/Quercus.				
Significant Nearby Features: Contains Brushy Creek		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Pileated woodpeckers, carolina wren, blue gray gnatcatcher, leopard frog				
Additional relevant factors:				
Assessment conducted by: SMG/SCR			Assessment date(s): 06-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 11W-02C-P
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.	
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Hydrologic/flow do not preclude AA from providing benefits downstream. Downstream areas critically or solely dependent on discharges from AA, and could suffer severe adverse impacts if quality/quantity were altered. Area Land Uses have minimal adverse impacts on wildlife. Wildlife access to/from AA is not limited by distance or barriers.	
w/o pres or current	with	
5	8	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Unregulated and/or exempt agricultural activities in this AA and surrounding uplands could lead to changes in hydroperiod and/or degradation of water quality. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen. Water levels and flow slightly higher/lower than appropriate considering natural variation.	
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).	
w/o pres or current	with	
6	7	

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. Majority of plant covers is desirable plant species in all strata. Minimal cover by invasive/exotic plant species.	
	With mitigation: Heterogenous structure including clumps of pop ash and a fringe of laurel oak. Patches of open canopy, closed canopy, open water stream and floodplain. The CE and permit conditions will require baseline conditions be maintained or improved. Age/size distribution typical. Optimal structural habitat. Land Management Practices Optimal.	
w/o pres or current	with	
8	9	

Score = sum of above scores/30 (if uplands, divide by 20)
0.6333 0.8000

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1667

For impact assessment areas
Area Size (ac) = 15.7284762612
FL= delta x acres = N/A

Delta = [with-current]:
0.1667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1667
FG = RFG x acres = 2.62 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 11W-02D-P	
FLUCCs Code: 617-511	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 15.1109
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by flatwoods and hardwoods Brushy Creek runs NW to SE through AA.				
Assessment Area Description: This is a 15.11-acre forested wetland that includes a stream (Brushy Creek) running through AA.				
Significant Nearby Features: Brushy Creek		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Robin, gray squirrel, cattle, hog, black vulture, green heron				
Additional relevant factors: None				
Assessment conducted by: SCR			Assessment date(s): 14-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 11W-02D-P
Impact or Mitigation Mitigation	Assessment conducted by: SCR/smg	Assessment Date: 14-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved.			
w/o pres or current	with			
5	8			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Water flowing at TOS cattle erosion in several areas no evidence of channelization. Unregulated and/or exempt agricultural activities in this AA and surrounding uplands could lead to changes in hydroperiod and/or degradation of water quality. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen. Water levels and flow slightly higher/lower than appropriate considering natural variation.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
7	8			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. Evidence of near normal regeneration/recruitment. Minimal cover by invasive/exotic plant species .			
	With mitigation: Heterogenous structure including clumps of pop ash and a fringe of laurel oak. Patches of open canopy, closed canopy, open water stream and floodplain. The CE and permit conditions will require baseline conditions be maintained or improved. Evidence of near normal regeneration/recruitment. Minimal cover by invasive/exotic plant species .			
w/o pres or current	with			
8	9			

Score = sum of above scores/30 (if uplands, divide by 20)
0.6667 0.8333

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1667

For impact assessment areas
Area Size (ac) = 15.1109238831
FL= delta x acres = N/A

Delta = [with-current]:
0.1667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1667
FG = RFG x acres = 2.52 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 11W-02H-P	
FLUCCs Code: 617-511	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 1.9481
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by flatwoods/hardwoods, the narrow channel of Brushy Creek runs through this floodplain system.				
Assessment Area Description: This is a 1.95-acre forested floodplain associated with Brushy Creek.				
Significant Nearby Features: Other segments of Brushy Creek upstream and downstream of AA		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Mosquitofish, barred owl, robins, cattle, hogs				
Additional relevant factors: None				
Assessment conducted by: SCR/AMF			Assessment date(s): 15-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 11W-02H-P
Impact or Mitigation Mitigation	Assessment conducted by: SCR/AMF/smg	Assessment Date: 15-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Discharges from AA significant to downstream areas, which could suffer substantial adverse impacts if quality/quantity were altered. Area Land Uses have minimal adverse impacts on wildlife.			
w/o pres or current	with			
5	8			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Brushy Creek runs across NE boundaryline water turbid with oil sheen borders of floodplain sharp at southern end- steep elevational change water culverted under road at south end high nutrient levels (small amounts of duckweed). Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
7	8			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. Minimal cover by invasive/exotic plant species . Minor degree of siltation/algae growth to impede submerged aquatic plant growth.			
	With mitigation: Extremely diverse vegetative community. The CE and permit conditions will require baseline conditions be maintained or improved. Minimal cover by invasive/exotic plant species . Minor degree of siltation/algae growth to impede submerged aquatic plant growth.			
w/o pres or current	with			
8	9			

Score = sum of above scores/30 (if uplands, divide by 20)
0.6667 0.8333

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1667

For impact assessment areas
Area Size (ac) = 1.94808463731
FL= delta x acres = N/A

Delta = [with-current]:
0.1667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1667
FG = RFG x acres = 0.32 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 11W-04-P	
FLUCCs Code: 617-511	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 0.3314
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connects 2 forested wetlands, surrounded on E and S by hardwoods				
Assessment Area Description: This is a 0.33-acre small, narrow, forested wetland that includes a flowway connecting 2 wetlands.				
Significant Nearby Features: Brushy Creek 150 yds to the S		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Armadillo, robins, cattle, hogs				
Additional relevant factors: Hog damage				
Assessment conducted by: SCR			Assessment date(s): 14-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 11W-04-P
Impact or Mitigation Mitigation	Assessment conducted by: SCR/smg	Assessment Date: 14-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.	
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Area Land Uses have minimal adverse impacts on wildlife.	
w/o pres or current	with	
5	9	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: channel dry at TOS no evidence of channelization. Unregulated and/or exempt agricultural activities in this AA and surrounding uplands could lead to changes in hydroperiod and/or degradation of water quality. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen. Water levels and flow slightly higher/lower than appropriate considering natural variation.	
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).	
w/o pres or current	with	
7	8	

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. Age/size distribution typical, may show temporary deviations. Slightly lower/higher quantity of good structural habitat (see rule for details). Minimal cover by invasive/exotic plant species .	
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Age/size distribution typical, may show temporary deviations. Slightly lower/higher quantity of good structural habitat (see rule for details). Minimal cover by invasive/exotic plant species .	
w/o pres or current	with	
7	8	

Score = sum of above scores/30 (if uplands, divide by 20)
0.6333 0.8333

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.2000

For impact assessment areas
Area Size (ac) = 0.33142523115
FL= delta x acres = N/A

Delta = [with-current]:
0.2000

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.2000
FG = RFG x acres = 0.07 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 11W-08A-P	
FLUCCs Code: 641-630-6417-617-6415	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 9.2354
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected to other wetlands to the W and SE and to cattle pond to the Enorthern part adjacent to pasture and the remainder is surrounded by hardwoods				
Assessment Area Description: This is a 9.24-acre herbaceous wetland with scattered hardwoods.				
Significant Nearby Features: Brushy Creek <150 yds to the S		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Water bird foraging, amphibian breeding, seasonal fish habitat, turtles, frog, water snakes		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Great egret, cricket frogs, fish, great blue heron, armadillo				
Additional relevant factors:				
Assessment conducted by: SCR			Assessment date(s): 14-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 11W-08A-P
Impact or Mitigation Mitigation	Assessment conducted by: SCR/smg	Assessment Date: 14-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Wildlife access to/from AA is partially limited by distance or barriers. Discharges from AA significant to downstream areas, which could suffer substantial adverse impacts if quality/quantity were altered. Area Land Uses have minimal adverse impacts on wildlife.			
w/o pres or current	with			
5	8			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Spoil piles along E edge due to cattle pond- water connected via small channel (altered water flow). Unregulated/exempt activities could compromise water quantity/quality. Soil deviated from appropriate, erosion/deposition patterns atypical/indicate alterations. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
5	6			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Slightly lower/higher quantity of good structural habitat (see rule for details). Minor degree of siltation/algal growth to impede submerged aquatic plant growth.			
	With mitigation: Extremely diverse vegetative community. The CE and permit conditions will require baseline conditions be maintained or improved. Slightly lower/higher quantity of good structural habitat (see rule for details). Minor degree of siltation/algal growth to impede submerged aquatic plant growth.			
w/o pres or current	with			
8	9			

Score = sum of above scores/30 (if uplands, divide by 20)
0.6000 0.7667

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1667

For impact assessment areas
Area Size (ac) = 9.23537708142
FL= delta x acres = N/A

Delta = [with-current]:
0.1667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1667
FG = RFG x acres = 1.54 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 11W-10-P	
FLUCCs Code: 630-511	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 0.8063
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Follows flow of stream and connects with another wetland, surrounded on W by hardwoods and E by pasture				
Assessment Area Description: This is a 0.81-acre narrow, forested floodplain and channel that it surrounds.				
Significant Nearby Features: Brushy Creek		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Fish (Gambusia), cattle, raccoon, cardinal, hogs				
Additional relevant factors: None				
Assessment conducted by: SCR/AMF			Assessment date(s): 15-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 11W-10-P
Impact or Mitigation Mitigation	Assessment conducted by: SCR/AMF/smg	Assessment Date: 15-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Area Land Uses have minimal adverse impacts on wildlife. Wildlife access to/from AA is partially limited by distance or barriers. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA.			
w/o pres or current	with			
5	8			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Cattle erosion in many areas no flow at TOS, but pools of standing water throughout ban. Steep along this stretch and many exposed roots no evidence of channelization. Unregulated/exempt activities could compromise water quantity/quality. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
5	6			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. Evidence of near normal regeneration/recruitment. Slightly lower/higher quantity of good structural habitat (see rule for details). Minimal cover by invasive/exotic plant species .			
	With mitigation: Extremely diverse vegetative community. The CE and permit conditions will require baseline conditions be maintained or improved. Evidence of near normal regeneration/recruitment. Slightly lower/higher quantity of good structural habitat (see rule for details). Minimal cover by invasive/exotic plant species .			
w/o pres or current	with			
8	9			

Score = sum of above scores/30 (if uplands, divide by 20)
0.6000 0.7667

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1667

For impact assessment areas
Area Size (ac) = 0.80632300433
FL= delta x acres = N/A

Delta = [with-current]:
0.1667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1667
FG = RFG x acres = 0.13 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 11W-12-P	
FLUCCs Code: 630-617-616-511	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 5.8237
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Narrow connections to 3 other wetlands, stream runs through it from another wetland at NE cornersurrounded by hardwoods				
Assessment Area Description: This is a 5.82-acre forested wetland with channel running through it.				
Significant Nearby Features: Brushy Creek		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Robins, cattle, warblers				
Additional relevant factors: None				
Assessment conducted by: SCR			Assessment date(s): 15-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 11W-12-P
Impact or Mitigation Mitigation	Assessment conducted by: SCR/AMF/smg	Assessment Date: 15-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Discharges from AA significant to downstream areas, which could suffer substantial adverse impacts if quality/quantity were altered. Habitat outside AA provide full range of habitats needed to support all wildlife in Pt. I. Wildlife access to/from AA is not limited by distance or barriers.			
w/o pres or current	with			
5	8			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Unregulated and/or exempt agricultural activities in this AA and surrounding uplands could lead to changes in hydroperiod and/or degradation of water quality. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
7	8			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. Slightly lower/higher quantity of good structural habitat (see rule for details). Minimal cover by invasive/exotic plant species. Age/size distribution typical, may show temporary deviations.			
	With mitigation: Extremely diverse floodplain community. The CE and permit conditions will require baseline conditions be maintained or improved. Slightly lower/higher quantity of good structural habitat (see rule for details). Minimal cover by invasive/exotic plant species. Age/size distribution typical, may show temporary deviations.			
w/o pres or current	with			
8	9			

Score = sum of above scores/30 (if uplands, divide by 20)	
0.6667	0.8333

If preservation as mitigation,	
Preservation adjustment factor =	1.0000
Adjusted mitigation delta =	0.1667

For impact assessment areas	
Area Size (ac) =	5.82373668423
FL= delta x acres =	N/A

Delta = [with-current]:
0.1667

If mitigation	
Time lag (t-factor) =	1
Risk factor =	1

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.1667
FG = RFG x acres =	0.97 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 11W-14-P	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 0.7724
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected to one other small wetland on the S, surrounded by pasture on the E and hardwoods on the W continuous with cattle pond at southern end fence line running along W side				
Assessment Area Description: This is a 0.77-acre herbaceous wetland, surrounded by pasture (30%) on eastern side, hardwood/flatwood mixed (45%) and cattle pond along the SE edge (25%).				
Significant Nearby Features: Brushy Creek 0.25 mile to the W		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Water bird foraging, amphibian breeding, seasonal fish habitat, turtles, frog, water snakes		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Hogs, cattle, small unidentified bird				
Additional relevant factors: None				
Assessment conducted by: SCR/BEH			Assessment date(s): 19-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 11W-14-P
Impact or Mitigation Mitigation	Assessment conducted by: SCR/BEH/smg	Assessment Date: 19-Jan-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.	
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Habitat outside AA provide full range of habitats needed to support all wildlife in Pt. I. Wildlife access to/from AA is not limited by distance or barriers.	
w/o pres or current	with	
5	7	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: High nutrient levels possible from connected cattle pond. Unregulated and/or exempt agricultural activities in this AA and surrounding uplands could lead to changes in hydroperiod and/or degradation of water quality. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.	
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).	
w/o pres or current	with	
5	6	

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Topo features slightly less optimal. Minimal cover by invasive/exotic plant species.	
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. All/nearly all of plant covers is by appropriate and desirable plant species in all strata.	
w/o pres or current	with	
7	8	

Score = sum of above scores/30 (if uplands, divide by 20)
0.5667 0.7000

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1333

For impact assessment areas
Area Size (ac) = 0.77240600372
FL= delta x acres = N/A

Delta = [with-current]:
0.1333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1333
FG = RFG x acres = 0.10 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 11W-16-P	
FLUCCs Code: 641-6415	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 1.1981
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Isolated, non-jurisdictional wetland within pasture to the North and East and native uplands/wetlands to the South and West.				
Assessment Area Description: This is a 1.20-acre herbaceous wetland on the edge of the mine/no mine boundary. Current pasture (N) will be reclaimed as native habitat.				
Significant Nearby Features: Brushy Creek ~200' Southwest.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Water bird foraging, amphibian breeding, seasonal fish habitat, turtles, frog, water snakes		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)				
Additional relevant factors:				
Assessment conducted by: SCR/BEH			Assessment date(s): 17-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 11W-16-P
Impact or Mitigation Mitigation	Assessment conducted by: SCR/BEH/SMG	Assessment Date: 17-Jan-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Area Land Uses have significant adverse impacts on wildlife. Wildlife access to/from AA is substantially limited, by distance or barriers.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Area Land Uses have minimal adverse impacts on wildlife. Habitat outside AA provide full range of habitats needed to support all wildlife in Pt. I.			
w/o pres or current	with			
5	6			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: No zonation. Unregulated and/or exempt agricultural activities in this AA and surrounding uplands could lead to changes in hydroperiod and/or degradation of water quality. Water levels and flow slightly higher/lower than appropriate considering natural variation. Much of the plant community composition is characterized by species tolerant of and associated with moderate water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Soil: moisture appropriate, erosion/deposition patterns no atypical conditions.			
w/o pres or current	with			
5	6			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Majority of plant covers is desirable plant species in all strata. Age/size distribution typical, may show temporary deviations.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. All/nearly all of plant covers is by appropriate and desirable plant species in all strata. Age/size distribution typical.			
w/o pres or current	with			
5	6			

Score = sum of above scores/30 (if uplands, divide by 20)
0.5000 0.6000

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1000

For impact assessment areas
Area Size (ac) = 1.1981
FL= delta x acres = N/A

Delta = [with-current]:
0.1000

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1000
FG = RFG x acres = 0.12 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 11W-24-P	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 1.2182
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Isolated, non-jurisdictional wetland within 200' of Brushy Creek. Native uplands to North and East, and pasture to the South.				
Assessment Area Description: This is a 1.22-acre herbaceous wetland on the edge of the mine/no mine boundary. Current pasture (S) will be reclaimed as native habitat.				
Significant Nearby Features: Brushy Creek ~200' East.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Water bird foraging, amphibian breeding, seasonal fish habitat, turtles, frog, water snakes		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)				
Additional relevant factors:				
Assessment conducted by: SCR			Assessment date(s): 07-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 11W-24-P
Impact or Mitigation Mitigation	Assessment conducted by: SCR/SMG	Assessment Date: 07-Jan-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Area Land Uses have significant adverse impacts on wildlife.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Habitat outside AA provide full range of habitats needed to support all wildlife in Pt. I. Area Land Uses have minimal adverse impacts on wildlife.			
w/o pres or current	with			
5	8			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Hydrologically isolated good zonation. Unregulated and/or exempt agricultural activities in this AA and surrounding uplands could lead to changes in hydroperiod and/or degradation of water quality. Water levels and flow slightly higher/lower than appropriate considering natural variation. Much of the plant community composition is characterized by species tolerant of and associated with moderate water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Soil: moisture appropriate, erosion/deposition patterns no atypical conditions.			
w/o pres or current	with			
5	6			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Majority of plant covers is desirable plant species in all strata. Age/size distribution typical, may show temporary deviations.			
	With mitigation: Dominated by Juncus, but with Spartina patch on the north side and several hardwoods scattered throughout wetland. The CE and permit conditions will require baseline conditions be maintained or improved. All/nearly all of plant covers is by appropriate and desirable plant species in all strata. Age/size distribution typical.			
w/o pres or current	with			
7	8			

Score = sum of above scores/30 (if uplands, divide by 20)
0.5667 0.7333

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1667

For impact assessment areas
Area Size (ac) = 1.2182
FL= delta x acres = N/A

Delta = [with-current]:
0.1667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1667
FG = RFG x acres = 0.20 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 11W-26-P	
FLUCCs Code: 617-511	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 1.0904
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by upland hardwoods and provides a wetland connection between two larger wetlands.				
Assessment Area Description: This is a 1.09 acre forested wetland that includes a narrow natural flowway.				
Significant Nearby Features: This is the floodplain swamp of a Brushy Creek channel.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Raccoon, cattle, hogs, fish (Gambusia), robin				
Additional relevant factors: None				
Assessment conducted by: SCR/AMF			Assessment date(s): 15-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 11W-26-P
Impact or Mitigation Mitigation	Assessment conducted by: SCR/AMF/smg	Assessment Date: 15-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Area Land Uses have minimal adverse impacts on wildlife. Area Land Uses have no adverse impacts on wildlife. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I.			
w/o pres or current	with			
5	8			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Cattle crossing- eroded banks no flow at TOA- pools of standing water. Unregulated/exempt activities could compromise water quantity/quality. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
7	8			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. No evidence of siltation/algal growth to impede submerged aquatic plant growth. No invasive/ exotic species. Evidence of near normal regeneration/recruitment. Slightly lower/higher quantity of good structural habitat (see rule for details).			
	With mitigation: Extremely diverse forest. The CE and permit conditions will require baseline conditions be maintained or improved. No evidence of siltation/algal growth to impede submerged aquatic plant growth. No invasive/ exotic species. Age/size distribution typical. All/nearly all of plant covers is by appropriate and desirable plant species in all strata.			
w/o pres or current	with			
8	9			

Score = sum of above scores/30 (if uplands, divide by 20)	
0.6667	0.8333

If preservation as mitigation,	
Preservation adjustment factor =	1.0000
Adjusted mitigation delta =	0.1667

For impact assessment areas	
Area Size (ac) =	1.09042535755
FL= delta x acres =	N/A

Delta = [with-current]:
0.1667

If mitigation	
Time lag (t-factor) =	1
Risk factor =	1

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.1667
FG = RFG x acres =	0.18 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 11W-34-P	
FLUCCs Code: 617-511	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 1.1399
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Upland hardwood immediately adjacent to the East and West; floodplain wetlands North and South. This is a Brushy Creek floodplain wetland.				
Assessment Area Description: This is a 1.14 acre hardwood swam that contains a narrow natural flowway.				
Significant Nearby Features: Brushy Creek flows through this system. Large preservation area adjacent to the East and West.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle, warblers, hogs, robin				
Additional relevant factors: None				
Assessment conducted by: SCR/AMF			Assessment date(s): 15-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 11W-34-P
Impact or Mitigation Mitigation	Assessment conducted by: SCR/AMF/smg	Assessment Date: 15-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Discharges from AA significant to downstream areas, which could suffer substantial adverse impacts if quality/quantity were altered. Habitat outside AA provide full range of habitats needed to support all wildlife in Pt. I. Area Land Uses have minimal adverse impacts on wildlife.			
w/o pres or current	with			
5	8			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Unregulated and/or exempt agricultural activities in this AA and surrounding uplands could lead to changes in hydroperiod and/or degradation of water quality. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
7	8			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. No invasive/exotic species. Age/size distribution typical, may show temporary deviations. Slightly lower/higher quantity of good structural habitat (see rule for details).			
	With mitigation: Dominated by lizards tail with patches of Iris in herbaceous layer and Fraxinus and Ulmus in canopy with cabbage palms on outskirts. The CE and permit conditions will require baseline conditions be maintained or improved. No invasive/ exotic species. All/nearly all of plant covers is by appropriate and desirable plant species in all strata. Age/size distribution typical.			
w/o pres or current	with			
8	9			

Score = sum of above scores/30 (if uplands, divide by 20)
0.6667 0.8333

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1667

For impact assessment areas
Area Size (ac) = 1.13993689551
FL= delta x acres = N/A

Delta = [with-current]:
0.1667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1667
FG = RFG x acres = 0.19 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 11W-38-P	
FLUCCs Code: 643-641	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 1.0668
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Isolated, non-jurisdictional wetland with pasture ~200' North and native uplands/wetlands elsewhere.				
Assessment Area Description: This is a 1.07-acre herbaceous wetland on the edge of the mine/no-mine boundary. Current pasture (N) will be reclaimed as native habitat.				
Significant Nearby Features: Brushy Creek ~200' West.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Water bird foraging, amphibian breeding, seasonal fish habitat, turtles, frog, water snakes		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)				
Additional relevant factors:				
Assessment conducted by: SCR/BEH			Assessment date(s): 19-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 11W-38-P
Impact or Mitigation Mitigation	Assessment conducted by: SCR/BEH/SMG	Assessment Date: 19-Jan-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, raw crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Area Land Uses have significant adverse impacts on wildlife. Wildlife access to/from AA is substantially limited, by distance or barriers.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Habitat outside AA provide full range of habitats needed to support all wildlife in Pt. I. Area Land Uses have minimal adverse impacts on wildlife.			
w/o pres or current	with			
5	8			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Unregulated and/or exempt agricultural activities in this AA and surrounding uplands could lead to changes in hydroperiod and/or degradation of water quality. Water levels and flow slightly higher/lower than appropriate considering natural variation. Much of the plant community composition is characterized by species tolerant of and associated with moderate water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Soil: moisture appropriate, erosion/deposition patterns no atypical conditions.			
w/o pres or current	with			
7	8			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Majority of plant covers is desirable plant species in all strata. Age/size distribution typical, may show temporary deviations.			
	With mitigation: Diverse vegetative community. The CE and permit conditions will require baseline conditions be maintained or improved. All/nearly all of plant covers is by appropriate and desirable plant species in all strata. Age/size distribution typical.			
w/o pres or current	with			
8	9			

Score = sum of above scores/30 (if uplands, divide by 20)
0.6667 0.8333

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1667

For impact assessment areas
Area Size (ac) = 1.0668
FL= delta x acres = N/A

Delta = [with-current]:
0.1667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1667
FG = RFG x acres = 0.18 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 11W-40-P	
FLUCCs Code: 617-511	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 1.3925
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connects 2 wetlands at N and S, surrounded by hardwoods, pasture < 100 yds E				
Assessment Area Description: This is a 1.39-acre narrow, forested wetland that includes a natural flowway.				
Significant Nearby Features: Brushy Creek < 0.25 mile W		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) warblers, cattle, hogs, woodpecker (unidentified), robins				
Additional relevant factors: None				
Assessment conducted by: SCR/AMF			Assessment date(s): 11-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 11W-40-P
Impact or Mitigation Mitigation	Assessment conducted by: SCR/AMF/smg	Assessment Date: 11-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, raw crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Area Land Uses have minimal adverse impacts on wildlife. Habitat outside AA provide full range of habitats needed to support all wildlife in Pt. I.			
w/o pres or current	with			
5	8			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: No flow at TOA- pools of water in channel banks eroded in several places due to cattle crossing no evidence of channelization. Unregulated/exempt activities could compromise water quantity/quality. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
7	8			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. Slightly lower/higher quantity of good structural habitat (see rule for details). No evidence of siltation/algal growth to impede submerged aquatic plant growth. Slightly lower/higher quantity of good structural habitat (see rule for details). Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species .			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. All/nearly all of plant covers is by appropriate and desirable plant species in all strata. No evidence of siltation/algal growth to impede submerged aquatic plant growth. Slightly lower/higher quantity of good structural habitat (see rule for details). Majority of plant covers is desirable plant species in all strata . Age/size distribution typical.			
w/o pres or current	with			
8	9			

Score = sum of above scores/30 (if uplands, divide by 20)
0.6667 0.8333

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1667

For impact assessment areas
Area Size (ac) = 1.3924667526
FL= delta x acres = N/A

Delta = [with-current]:
0.1667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1667
FG = RFG x acres = 0.23 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 11W-50-P	
FLUCCs Code: 617-511	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 8.2009
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands This wetland is the main hydrologic connection in the area. It is surrounded by forested uplands and a small pasture.				
Assessment Area Description: This is an 8.20-acre forested flood plain wetland that includes a natural flowway.				
Significant Nearby Features: This is the most significant feature in the area		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Belted kingfisher, white ibis, river otter, white eyed vireo, palm warbler, carolina wren, red-shouldered hawk, donny woodpecker, green heron, hog, wood stork, eastern phoebe				
Additional relevant factors:				
Assessment conducted by: SMG/Dave Sumpter			Assessment date(s): 30-Dec-2004	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 11W-50-P
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.	
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Area Land Uses have minimal adverse impacts on wildlife.	
w/o pres or current	with	
5	8	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: No channelization observed. Natural flow restricted by small culverts on road. Vegetation appears to be healthy and natural. Unregulated/exempt activities could compromise water quantity/quality. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.	
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).	
w/o pres or current	with	
7	8	

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. Land Management Practices generally appropriate. Majority of plant covers is desirable plant species in all strata .	
	With mitigation: Evidence of historic logging. Excellent juxtaposition of habitats within AA. Extremely diverse forested wetland. The CE and permit conditions will require baseline conditions be maintained or improved. Age/size distribution typical. Optimal structural habitat. Land Management Practices Optimal.	
w/o pres or current	with	
8	9	

Score = sum of above scores/30 (if uplands, divide by 20)
0.6667 0.8333

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1667

For impact assessment areas
Area Size (ac) = 8.20091964035
FL= delta x acres = N/A

Delta = [with-current]:
0.1667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1667
FG = RFG x acres = 1.37 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 11W-51-P	
FLUCCs Code: 643	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 0.6397
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Hydrologically isolated but deemed jurisdictional by the USACE in the 2012 Jurisdictional Verification. Surrounded by upland hardwoods.				
Assessment Area Description: This is a 0.64-acre wet prairie.				
Significant Nearby Features: Brushy Creek approximately 300' to the West.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Water bird foraging, amphibian breeding, seasonal fish habitat, turtles, frog, water snakes		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) None				
Additional relevant factors: None				
Assessment conducted by: SMG			Assessment date(s): 10-Jul-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 11W-51-P
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.	
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Wildlife access to/from AA is not limited by distance or barriers. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Habitat outside AA provide full range of habitats needed to support all wildlife in Pt. I.	
w/o pres or current	with	
5	8	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Unregulated and/or exempt agricultural activities in this AA and surrounding uplands could lead to changes in hydroperiod and/or degradation of water quality. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.	
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).	
w/o pres or current	with	
5	6	

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species .	
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . All/nearly all of plant covers is by appropriate and desirable plant species in all strata. Age/size distribution typical.	
w/o pres or current	with	
8	9	

Score = sum of above scores/30 (if uplands, divide by 20)
0.6000 0.7667

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1667

For impact assessment areas
Area Size (ac) = 0.63965414178
FL= delta x acres = N/A

Delta = [with-current]:
0.1667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1667
FG = RFG x acres = 0.11 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 11W-53-P	
FLUCCs Code: 617-513	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 1.1630
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected by ditch to other wetlands				
Assessment Area Description: This is a 1.16-acre ditched hardwood swamp.				
Significant Nearby Features: Brushy Creek		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) None				
Additional relevant factors: None				
Assessment conducted by: SMG			Assessment date(s): 10-Jul-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 11W-53-P
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, raw crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Habitat outside AA provide full range of habitats needed to support all wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Wildlife access to/from AA is not limited by distance or barriers.			
w/o pres or current	with			
5	8			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Unregulated and/or exempt agricultural activities in this AA and surrounding uplands could lead to changes in hydroperiod and/or degradation of water quality. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
5	6			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. Majority of plant covers is desirable plant species in all strata. Land Management Practices generally appropriate.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Age/size distribution typical. Optimal structural habitat. Land Management Practices Optimal.			
w/o pres or current	with			
8	9			

Score = sum of above scores/30 (if uplands, divide by 20)
0.6000 0.7667

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1667

For impact assessment areas
Area Size (ac) = 1.16296448905
FL= delta x acres = N/A

Delta = [with-current]:
0.1667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1667
FG = RFG x acres = 0.19 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 12W-06-P	
FLUCCs Code: 617-618-616-6417-641	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 34.4024
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Borders cow pasture on West and North sides, the narrow channel of a Brushy Creek tributary runs through this large in-line wetland system.				
Assessment Area Description: This is a 34.40-acre forested wetland that is connected to other wetlands.				
Significant Nearby Features: Brushy Creek, Lettis Creek <than 0.5 mile E		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Armadillo burrow, cattle, hogs, barred owl, fish (Heterandria and possibly others)				
Additional relevant factors: None				
Assessment conducted by: SCR/LMP			Assessment date(s): 08-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 12W-06-P
Impact or Mitigation Mitigation	Assessment conducted by: SCR/LMP	Assessment Date: 08-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Discharges from AA significant to downstream areas, which could suffer substantial adverse impacts if quality/quantity were altered. Habitat outside AA provide full range of habitats needed to support all wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Wildlife access to/from AA is not limited by distance or barriers.			
w/o pres or current	with			
5	8			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Oil sheen, especially on the W side unregulated cattle influence thick algal growth high nutrient levels (thick duckweed cover in some areas). Unregulated/exempt activities could compromise water quantity/quality. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
6	7			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. Moderate degree of siltation/algal growth to impede submerged aquatic plant growth. Minimal cover by invasive/exotic plant species. Majority of plant covers is desirable plant species in all strata. Evidence of near normal regeneration/recruitment. Slightly lower/higher quantity of good structural habitat (see rule for details).			
	With mitigation: Thalia, Cladium, Pontedaria, Pistia, juncus, Cabbage palms, laurel oaks, Salix, maples on outer ring, Duckweed dense in some areas. The CE and permit conditions will require baseline conditions be maintained or improved. Moderate degree of siltation/algal growth to impede submerged aquatic plant growth. Minimal cover by invasive/exotic plant species. Majority of plant covers is desirable plant species in all strata. Evidence of near normal regeneration/recruitment.			
w/o pres or current	with			
7	8			

Score = sum of above scores/30 (if uplands, divide by 20)
0.6000 0.7667

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1667

For impact assessment areas
Area Size (ac) = 34.4023922106
FL= delta x acres = N/A

Delta = [with-current]:
0.1667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1667
FG = RFG x acres = 5.73 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 12W-18-P	
FLUCCs Code: 616-617-643-641	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 2.7204
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Hydrologically isolated but deemed jurisdictional by the USACE in the 2012 Jurisdictional Verification. Pasture ~200' to the West, surrounded by hardwoods upland, large headwater wetland to the North and East.				
Assessment Area Description: This is a 2.72-acre forested wetland.				
Significant Nearby Features: Brushy Creek headwater wetland <100 yds to the East.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Pileated woodpecker, mosquitofish, unidentified frog				
Additional relevant factors: None				
Assessment conducted by: SCR/AMF			Assessment date(s): 03-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 12W-18-P
Impact or Mitigation Mitigation	Assessment conducted by: SCR/AMF	Assessment Date: 03-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Habitat outside AA provide full range of habitats needed to support all wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Wildlife access to/from AA is not limited by distance or barriers.			
w/o pres or current	with			
5	8			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Unregulated cattle influence. Unregulated and/or exempt agricultural activities in this AA and surrounding uplands could lead to changes in hydroperiod and/or degradation of water quality. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
7	8			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. Land Management Practices generally appropriate. All/nearly all of plant covers is by appropriate and desirable plant species in all strata.			
	With mitigation: Good amount of structural habitat. Outer ring dominated by Iris, sawgrass, Andropogon, Fraxinus and other hardwoods. The CE and permit conditions will require baseline conditions be maintained or improved. Land Management Practices generally appropriate. All/nearly all of plant covers is by appropriate and desirable plant species in all strata.			
w/o pres or current	with			
8	9			

Score = sum of above scores/30 (if uplands, divide by 20)
0.6667 0.8333

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1667

For impact assessment areas
Area Size (ac) = 2.72037044988
FL= delta x acres = N/A

Delta = [with-current]:
0.1667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1667
FG = RFG x acres = 0.45 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 12W-20-P	
FLUCCs Code: 641-626	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 2.5538
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Surrounded by hardwoods, cattle pasture <100 yds to the East, large wetland to the West. Hydrologically isolated but deemed jurisdictional by the USACE in the 2012 Jurisdictional Verification.</p>				
<p>Assessment Area Description:</p> <p>This is a 2.55-acre herbaceous wetland, surrounded by a flatwood/hardwood mix.</p>				
Significant Nearby Features:		Uniqueness (considering the relative rarity in relation to the regional landscape.)		
Large headwater swamp that discharges to Brushy Creek is <50 yds to the North.		None		
Functions:		Mitigation for previous permit/other historic use:		
Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area):		
Water bird foraging, amphibian breeding, seasonal fish habitat, turtles, frog, water snakes		American Alligator (FT, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)				
Great egret, snowy egret, cricket frogs, Heterandria formosa				
Additional relevant factors:				
None				
Assessment conducted by:			Assessment date(s):	
SCR/BEH			25-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 12W-20-P
Impact or Mitigation Mitigation	Assessment conducted by: SCR/BEH	Assessment Date: 25-Jan-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Habitat outside AA provide full range of habitats needed to support all wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Wildlife access to/from AA is not limited by distance or barriers.			
w/o pres or current	with			
5	8			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Hydrologically isolated. Unregulated and/or exempt agricultural activities in this AA and surrounding uplands could lead to changes in hydroperiod and/or degradation of water quality. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
5	6			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Moderate degree of siltation/algal growth to impede submerged aquatic plant growth. Land Management Practices generally appropriate.			
	With mitigation: Perimeter of wetland dominated by Juncus, smartweed, pennywort, Hypericum Inner ring dominated by Juncus, Pontederia, Nymphoides, and maidencane. The CE and permit conditions will require baseline conditions be maintained or improved. Age/size distribution typical. Land Management Practices generally appropriate. Optimal structural habitat. Land Management Practices Optimal.			
w/o pres or current	with			
7	8			

Score = sum of above scores/30 (if uplands, divide by 20)
0.5667 0.7333

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1667

For impact assessment areas
Area Size (ac) = 2.55376662715
FL= delta x acres = N/A

Delta = [with-current]:
0.1667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1667
FG = RFG x acres = 0.43 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 12W-28-P	
FLUCCs Code: 641-643-617	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 4.0582
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Isolated, non-jurisdictional wetland with pasture adjacent to the East and native uplands elsewhere.				
Assessment Area Description: This is a 4.06-acre herbaceous wetland with a small forested component.				
Significant Nearby Features: Brushy Creek and Lettuce Creek <450 yds on either side.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Water bird foraging, amphibian breeding, seasonal fish habitat, turtles, frog, water snakes		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)				
Additional relevant factors:				
Assessment conducted by: SCR/BEH			Assessment date(s): 20-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 12W-28-P
Impact or Mitigation Mitigation	Assessment conducted by: SCR/BEH	Assessment Date: 20-Jan-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, raw crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Area Land Uses have minimal adverse impacts on wildlife. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Habitat outside AA provide full range of habitats needed to support all wildlife in Pt. I.			
w/o pres or current	with			
5	7			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Zonation appropriate in most strata. Unregulated and/or exempt agricultural activities in this AA and surrounding uplands could lead to changes in hydroperiod and/or degradation of water quality. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Soil: moisture appropriate, erosion/deposition patterns no atypical conditions. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
6	7			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Slightly lower/higher quantity of good structural habitat (see rule for details). Majority of plant covers is desirable plant species in all strata .			
	With mitigation: Andropogon and wax myrtles surrounding edgePontederia and maidencane dominate centerJuncus in outer ring. The CE and permit conditions will require baseline conditions be maintained or improved. Minor degree of siltation/algal growth to impede submerged aquatic plant growth. All/nearly all of plant covers is by appropriate and desirable plant species in all strata. Strong evidence of normal regeneration/recruitment. Age/size distribution typical.			
w/o pres or current	with			
8	9			

Score = sum of above scores/30 (if uplands, divide by 20)
0.6333 0.7667

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1333

For impact assessment areas
Area Size (ac) = 4.0582
FL= delta x acres = N/A

Delta = [with-current]:
0.1333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1333
FG = RFG x acres = 0.54 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 12W-32-P	
FLUCCs Code: 617	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 0.4144
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by hardwoods, N tip adjacent to cattle pasture connected to chain of wetlands and Brushy Creek				
Assessment Area Description: This is a 0.41-acre forested wetland, connected to other wetlands.				
Significant Nearby Features: Brushy Creek		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cardinal, cattle, hogs, blackbird, raccoon, deer				
Additional relevant factors: None				
Assessment conducted by: SCR/LMP			Assessment date(s): 08-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 12W-32-P
Impact or Mitigation Mitigation	Assessment conducted by: SCR/LMP/smg	Assessment Date: 08-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Discharges from AA significant to downstream areas, which could suffer substantial adverse impacts if quality/quantity were altered. Wildlife access to/from AA is not limited by distance or barriers.			
w/o pres or current	with			
5	8			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Unregulated and/or exempt agricultural activities in this AA and surrounding uplands could lead to changes in hydroperiod and/or degradation of water quality. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
5	6			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. No evidence of siltation/algal growth to impede submerged aquatic plant growth. All/nearly all of plant covers is by appropriate and desirable plant species in all strata. Evidence of near normal regeneration/recruitment. Age/size distribution typical, may show temporary deviations. Slightly lower/higher quantity of good structural habitat (see rule for details).			
	With mitigation: Thick canopy throughout dominated by sweet gum and laurel oak- minimal groundcover, except for a few small patches of Cladium typical for this type of system. The CE and permit conditions will require baseline conditions be maintained or improved. No evidence of siltation/algal growth to impede submerged aquatic plant growth. All/nearly all of plant covers is by appropriate and desirable plant species in all strata. Evidence of near normal regeneration/recruitment. Age/size distribution typical, may show temporary deviations.			
w/o pres or current	with			
7	8			

Score = sum of above scores/30 (if uplands, divide by 20)
0.5667 0.7333

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1667

For impact assessment areas
Area Size (ac) = 0.41442683955
FL= delta x acres = N/A

Delta = [with-current]:
0.1667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1667
FG = RFG x acres = 0.07 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 12W-36-P	
FLUCCs Code: 617		Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 2.6640
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by upland hardwoods, connected to chain of wetlands, connected to Brushy Creek (during wet season), cattle pasture <100 yds NW					
Assessment Area Description: This is a 2.67 acre forested wetland that discharges to a Brushy Creek floodplain wetland. No channel within this system.					
Significant Nearby Features: Approximately equidistant from Brushy and Lettis Creeks.			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Black vulture, hogs, cattle					
Additional relevant factors: None					
Assessment conducted by: SCR/AMF				Assessment date(s): 11-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 12W-36-P
Impact or Mitigation Mitigation	Assessment conducted by: SCR/AMF/smg	Assessment Date: 11-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Discharges from AA significant to downstream areas, which could suffer substantial adverse impacts if quality/quantity were altered. Wildlife access to/from AA is not limited by distance or barriers.			
w/o pres or current	with			
5	8			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Connected to Brushy Creek (during some parts of the year) cattle influence (also multiple cattle trails). Unregulated/exempt activities could compromise water quantity/quality. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
5	6			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. No evidence of siltation/algal growth to impede submerged aquatic plant growth. Age/size distribution typical, may show temporary deviations. Evidence of near normal regeneration/recruitment.			
	With mitigation: Diverse vegetative community. The CE and permit conditions will require baseline conditions be maintained or improved. No evidence of siltation/algal growth to impede submerged aquatic plant growth. Age/size distribution typical, may show temporary deviations. Evidence of near normal regeneration/recruitment. All/nearly all of plant covers is by appropriate and desirable plant species in all strata.			
w/o pres or current	with			
8	9			

Score = sum of above scores/30 (if uplands, divide by 20)
0.6000 0.7667

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1667

For impact assessment areas
Area Size (ac) = 2.66403396291
FL= delta x acres = N/A

Delta = [with-current]:
0.1667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1667
FG = RFG x acres = 0.44 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 12W-38-P	
FLUCCs Code: 617-616-641	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 7.1147
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by hardwoodscattle pasture < 150 yds to the NBrushy Creek to the S Ewithin larger natural area				
Assessment Area Description: This is a 7.12-acre forested wetland with a small herbaceous component.				
Significant Nearby Features: Brushy Creek < 50 yds to SE		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Robin, belted kingfisher, cattle, hogs, unidentified fish				
Additional relevant factors: None				
Assessment conducted by: SCR/AMF			Assessment date(s): 11-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 12W-38-P
Impact or Mitigation Mitigation	Assessment conducted by: SCR/AMF/smg	Assessment Date: 11-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Habitat outside AA provide full range of habitats needed to support all wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Wildlife access to/from AA is not limited by distance or barriers.			
w/o pres or current	with			
5	8			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Unregulated and/or exempt agricultural activities in this AA and surrounding uplands could lead to changes in hydroperiod and/or degradation of water quality. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
7	8			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. Slightly lower/higher quantity of good structural habitat (see rule for details). Moderate degree of siltation/algal growth to impede submerged aquatic plant growth.			
	With mitigation: Dominated by popash, with scattered Pontedaria and a few young Thalia edges dominated by lizards tail/Cladium/Iris/Salix. The CE and permit conditions will require baseline conditions be maintained or improved. Optimal structural habitat. Age/size distribution typical. Land Management Practices Optimal.			
w/o pres or current	with			
8	9			

Score = sum of above scores/30 (if uplands, divide by 20)
0.6667 0.8333

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1667

For impact assessment areas
Area Size (ac) = 7.11472303265
FL= delta x acres = N/A

Delta = [with-current]:
0.1667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1667
FG = RFG x acres = 1.19 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 12W-42-P	
FLUCCs Code: 617-511	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 1.0089
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by hardwoods, runs between 2 wetlands				
Assessment Area Description: This is a 1.0-acre forested wetland that surrounds a reach of stream.				
Significant Nearby Features: Tributary of Brushy Creek		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle, hogs				
Additional relevant factors: None				
Assessment conducted by: SCR/LMP			Assessment date(s): 09-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 12W-42-P
Impact or Mitigation Mitigation	Assessment conducted by: SCR/LMP/smg	Assessment Date: 09-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.	
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Wildlife access to/from AA is not limited by distance or barriers. Discharges from AA significant to downstream areas, which could suffer substantial adverse impacts if quality/quantity were altered. Wildlife access to/from AA is partially limited by distance or barriers.	
w/o pres or current	with	
5	8	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Erosion at cattle crossings. No evidence of channelization. Unregulated and/or exempt agricultural activities in this AA and surrounding uplands could lead to changes in hydroperiod and/or degradation of water quality. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.	
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).	
w/o pres or current	with	
5	6	

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. Majority of plant covers is desirable plant species in all strata. Evidence of near normal regeneration/recruitment. Age/size distribution typical, may show temporary deviations. Slightly lower/higher quantity of good structural habitat (see rule for details).	
	With mitigation: Extremely diverse forest. The CE and permit conditions will require baseline conditions be maintained or improved. All/nearly all of plant covers is by appropriate and desirable plant species in all strata. Strong evidence of normal regeneration/recruitment. Age/size distribution typical.	
w/o pres or current	with	
8	9	

Score = sum of above scores/30 (if uplands, divide by 20)
0.6000 0.7667

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1667

For impact assessment areas
Area Size (ac) = 1.00889778121
FL= delta x acres = N/A

Delta = [with-current]:
0.1667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1667
FG = RFG x acres = 0.17 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 12W-44-P	
FLUCCs Code: 617-616-641-511	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 7.7266
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by hardwoods				
Assessment Area Description: This is a 7.73-acre forested wetland surrounding stream, Brushy Creek runs through.				
Significant Nearby Features: Tributary of Brushy Creek		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Hogs, cattle, ibis, sandhill cranes, great egret, fish				
Additional relevant factors:				
Assessment conducted by: SCR/LMP			Assessment date(s): 09-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 12W-44-P
Impact or Mitigation Mitigation	Assessment conducted by: SCR/LMP/smg	Assessment Date: 09-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, raw crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Wildlife access to/from AA is partially limited by distance or barriers. Discharges from AA significant to downstream areas, which could suffer substantial adverse impacts if quality/quantity were altered. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA.			
w/o pres or current	with			
5	8			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Large open patch of water on the W side of the wetland. Unregulated and/or exempt agricultural activities in this AA and surrounding uplands could lead to changes in hydroperiod and/or degradation of water quality. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
5	6			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. Majority of plant covers is desirable plant species in all strata. Slightly lower/higher quantity of good structural habitat (see rule for details). Minor degree of siltation/algal growth to impede submerged aquatic plant growth.			
	With mitigation: Diverse vegetative community. The CE and permit conditions will require baseline conditions be maintained or improved. Majority of plant covers is desirable plant species in all strata. Optimal structural habitat. Minor degree of siltation/algal growth to impede submerged aquatic plant growth.			
w/o pres or current	with			
8	9			

Score = sum of above scores/30 (if uplands, divide by 20)
0.6000 0.7667

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1667

For impact assessment areas
Area Size (ac) = 7.7265958181
FL= delta x acres = N/A

Delta = [with-current]:
0.1667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1667
FG = RFG x acres = 1.29 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 12W-48-P	
FLUCCs Code: 641-618-617	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 5.8999
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Isolated, non-jurisdictional wetland with pasture to the East and native uplands elsewhere.				
Assessment Area Description: This is a 5.90-acre herbaceous wetland with a small forested component.				
Significant Nearby Features: Brushy Creek and Lettuce Creek <450 yds on either side.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Water bird foraging, amphibian breeding, seasonal fish habitat, turtles, frog, water snakes		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)				
Additional relevant factors:				
Assessment conducted by: SCR/LMP			Assessment date(s): 09-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 12W-48-P
Impact or Mitigation Mitigation	Assessment conducted by: SCR/LMP/SMG	Assessment Date: 09-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, raw crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.	
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I.	
w/o pres or current	with	
5	8	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: High nutrient levels (Azolla present) Cattle and hog influence Water levels and flow slightly higher/lower than appropriate considering natural variation. Unregulated/exempt activities could compromise water quantity/quality. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen.	
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow moderately higher/lower than appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in most strata inappropriate for TOS. Plant community composition is characterized predominately by species tolerant of and associated with highly degraded water/alterations in inundation/saturation (freq, depth, duration).	
w/o pres or current	with	
7	8	

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Topo features slightly less optimal. Slightly lower/higher quantity of good structural habitat (see rule for details). Moderate degree of siltation/algal growth to impede submerged aquatic plant growth.	
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Majority of plant covers is desirable plant species in all strata. Strong evidence of normal regeneration/recruitment. Age/size distribution typical.	
w/o pres or current	with	
7	8	

Score = sum of above scores/30 (if uplands, divide by 20)
0.6333 0.8000

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1667

For impact assessment areas	
Area Size (ac) =	5.8999
FL= delta x acres =	N/A

Delta = [with-current]:
0.1667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.1667
FG = RFG x acres =	0.98 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 12W-50-P	
FLUCCs Code: 616-617-641-513	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 4.6170
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by hardwoods within larger natural area				
Assessment Area Description: This is a 4.62-acre ditched forested wetland- dominated by popash.				
Significant Nearby Features: Brushy Creek < 50 yds to the E		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Warblers, robins, cattle, hogs				
Additional relevant factors:				
Assessment conducted by: SCR/AMF			Assessment date(s): 11-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 12W-50-P
Impact or Mitigation Mitigation	Assessment conducted by: SCR/AMF/smg	Assessment Date: 11-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Wildlife access to/from AA is not limited by distance or barriers.			
w/o pres or current	with			
5	8			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Unregulated and/or exempt agricultural activities in this AA and surrounding uplands could lead to changes in hydroperiod and/or degradation of water quality. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
7	8			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. Moderate degree of siltation/algal growth to impede submerged aquatic plant growth. Minimal cover by invasive/exotic plant species .			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Age/size distribution typical. All/nearly all of plant covers is by appropriate and desirable plant species in all strata. Minimal cover by invasive/exotic plant species . Optimal structural habitat.			
w/o pres or current	with			
8	9			

Score = sum of above scores/30 (if uplands, divide by 20)
0.6667 0.8333

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1667

For impact assessment areas
Area Size (ac) = 4.6169984898
FL= delta x acres = N/A

Delta = [with-current]:
0.1667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1667
FG = RFG x acres = 0.77 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 12W-51-P	
FLUCCs Code: 643		Further Classification: N/A		Impact or Mitigation Site? Mitigation	
				Assessment Area Size (ac): 0.0660	
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class		Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A	
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected by ditch to other wetlands					
Assessment Area Description: This is a 0.07-acre wet prairie.					
Significant Nearby Features: Brushy Creek			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Water bird foraging, amphibian breeding, seasonal fish habitat, turtles, frog, water snakes			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) None					
Additional relevant factors: None					
Assessment conducted by: SMG				Assessment date(s): 10-Jul-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 12W-51-P
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, raw crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Wildlife access to/from AA is substantially limited, by distance or barriers. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Habitat outside AA provide full range of habitats needed to support all wildlife in Pt. I. Wildlife access to/from AA is partially limited by distance or barriers.			
w/o pres or current	with			
5	6			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Unregulated and/or exempt agricultural activities in this AA and surrounding uplands could lead to changes in hydroperiod and/or degradation of water quality. Water levels and flow moderately higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
7	8			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Land Management Practices resulted in partial removal/alteration of natural structures, add some artificial features. Much lower/higher quantity of good structure habitat (see rule for details)			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Age/size distribution atypical, show permanent deviations.			
w/o pres or current	with			
3	4			

Score = sum of above scores/30 (if uplands, divide by 20)
0.5000 0.6000

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1000

For impact assessment areas
Area Size (ac) = 0.06596679162
FL= delta x acres = N/A

Delta = [with-current]:
0.1000

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1000
FG = RFG x acres = 0.01 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 12W-52C-P	
FLUCCs Code: 617-641-511	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 3.4045
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by hardwoods, near Brushy Creek, connects to another wetland.				
Assessment Area Description: This is a 3.40-acre forested floodplain wetland.				
Significant Nearby Features: Brushy Creek		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Black vulture				
Additional relevant factors: None				
Assessment conducted by: SCR/AMF			Assessment date(s): 04-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 12W-52C-P
Impact or Mitigation Mitigation	Assessment conducted by: SCR/AMF/smg	Assessment Date: 04-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Discharges from AA significant to downstream areas, which could suffer substantial adverse impacts if quality/quantity were altered. Wildlife access to/from AA is not limited by distance or barriers.			
w/o pres or current	with			
5	8			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Connected to other wetlands and Brushy Creek to the N. Unregulated and/or exempt agricultural activities in this AA and surrounding uplands could lead to changes in hydroperiod and/or degradation of water quality. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
5	6			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. Majority of plant covers is desirable plant species in all strata. Slightly lower/higher quantity of good structural habitat (see rule for details).			
	With mitigation: Diverse vegetative community. The CE and permit conditions will require baseline conditions be maintained or improved. All/nearly all of plant covers is by appropriate and desirable plant species in all strata. Slightly lower/higher quantity of good structural habitat (see rule for details).			
w/o pres or current	with			
8	9			

Score = sum of above scores/30 (if uplands, divide by 20)
0.6000 0.7667

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1667

For impact assessment areas
Area Size (ac) = 3.40449247180
FL= delta x acres = N/A

Delta = [with-current]:
0.1667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1667
FG = RFG x acres = 0.57 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 12W-54-P	
FLUCCs Code: 617		Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 0.6988
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by hardwoods and flatwoods, Brushy Creek flows through, within larger natural area					
Assessment Area Description: This is a 0.7-acre forested wetland (northern part is herbaceous- surrounded by hardwoods and cabbage palms, southern part is a floodplain that connects to 12w-56)					
Significant Nearby Features: Brushy Creek flows through AA.			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Coluber constrictor, cattle, hogs, robin, cardinal					
Additional relevant factors: None					
Assessment conducted by: SCR, LMP				Assessment date(s): 09-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 12W-54-P
Impact or Mitigation Mitigation	Assessment conducted by: SCR/LMP	Assessment Date: 09-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Wildlife access to/from AA is not limited by distance or barriers. Area Land Uses have minimal adverse impacts on wildlife.			
w/o pres or current	with			
5	8			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Small amount of water present at TOS. Strong evidence of unregulated cattle use. Unregulated and/or exempt agricultural activities in this AA and surrounding uplands could lead to changes in hydroperiod and/or degradation of water quality. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
6	7			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Minor degree of siltation/algal growth to impede submerged aquatic plant growth.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Minor degree of siltation/algal growth to impede submerged aquatic plant growth.			
w/o pres or current	with			
6	7			

Score = sum of above scores/30 (if uplands, divide by 20)
0.5667 0.7333

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1667

For impact assessment areas
Area Size (ac) = 0.69875858546
FL= delta x acres = N/A

Delta = [with-current]:
0.1667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1667
FG = RFG x acres = 0.12 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 12W-56-P	
FLUCCs Code: 617	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 4.5269
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by upland hardwoods, cattle pasture <350 yards to the East discharges to other wetlands.				
Assessment Area Description: This is a 4.53-acre forested wetland that serves as a headwater to a Brushy Creek tributary.				
Significant Nearby Features: Within a large block of native upland/wetland habitat.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Great egret, Gambusia holbrooki, cardinal, robin				
Additional relevant factors: None				
Assessment conducted by: SCR, LMP			Assessment date(s): 09-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 12W-56-P
Impact or Mitigation Mitigation	Assessment conducted by: SCR/LMP	Assessment Date: 09-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Wildlife access to/from AA is not limited by distance or barriers. Area Land Uses have minimal adverse impacts on wildlife.			
w/o pres or current	with			
5	9			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Water looks clear in most areas, although there is somewhat of a cattle influence possible high nutrient levels possible (duckweed present- small patch). Unregulated/exempt activities could compromise water quantity/quality. Water levels and flow moderately higher/lower than appropriate considering natural variation. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
7	8			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. Minor degree of siltation/algal growth to impede submerged aquatic plant growth. Evidence of near normal regeneration/recruitment. Slightly lower/higher quantity of good structural habitat (see rule for details). Minimal cover by invasive/exotic plant species .			
	With mitigation: Diverse hardwood swamp. The CE and permit conditions will require baseline conditions be maintained or improved. Minor degree of siltation/algal growth to impede submerged aquatic plant growth. Evidence of near normal regeneration/recruitment. Slightly lower/higher quantity of good structural habitat (see rule for details). Minimal cover by invasive/exotic plant species .			
w/o pres or current	with			
8	9			

Score = sum of above scores/30 (if uplands, divide by 20)
0.6667 0.8667

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.2000

For impact assessment areas
Area Size (ac) = 4.5269316624
FL= delta x acres = N/A

Delta = [with-current]:
0.2000

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.2000
FG = RFG x acres = 0.91 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 12W-57-P	
FLUCCs Code: 513	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 0.1053
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connects wetlands				
Assessment Area Description: This is a 0.11-acre ditched wetland.				
Significant Nearby Features: None		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Water bird foraging, amphibian breeding, seasonal fish habitat, turtles, frog, water snakes		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) None				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 12W-57-P
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Wildlife access to/from AA is not limited by distance or barriers. Area Land Uses have no adverse impacts on wildlife.			
w/o pres or current	with			
5	7			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Unregulated and/or exempt agricultural activities in this AA and surrounding uplands could lead to changes in hydroperiod and/or degradation of water quality. Water levels and flow moderately higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
4	5			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Land Management Practices resulted in partial removal/alteration of natural structures, add some artificial features. Much lower/higher quantity of good structure habitat (see rule for details)			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved.			
w/o pres or current	with			
3	4			

Score = sum of above scores/30 (if uplands, divide by 20)
0.4000 0.5333

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1333

For impact assessment areas
Area Size (ac) = 0.10531403824
FL= delta x acres = N/A

Delta = [with-current]:
0.1333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1333
FG = RFG x acres = 0.01 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 12W-62A-P	
FLUCCs Code: 617-616-643	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 3.7110
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by upland hardwoods. Hydrologically isolated with one other Assessment Area but deemed jurisdictional by the USACE in 2012 Jurisdictional Verification.				
Assessment Area Description: This is a 3.71-acre hardwood swamp that is connected to a marsh.				
Significant Nearby Features: Within a large block of native upland/wetland habitat.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle, hogs, robin				
Additional relevant factors: None				
Assessment conducted by: SCR, LMP			Assessment date(s): 09-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 12W-62A-P
Impact or Mitigation Mitigation	Assessment conducted by: SCR/LMP	Assessment Date: 09-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I.			
w/o pres or current	with			
5	8			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Slight discoloration/turbidity in some areas. Unregulated and/or exempt agricultural activities in this AA and surrounding uplands could lead to changes in hydroperiod and/or degradation of water quality. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
7	8			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Much lower/higher quantity of good structure habitat (see rule for details)			
	With mitigation: Diverse vegetative community. The CE and permit conditions will require baseline conditions be maintained or improved. Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Strong evidence of normal regeneration/recruitment. Age/size distribution typical.			
w/o pres or current	with			
7	8			

Score = sum of above scores/30 (if uplands, divide by 20)
0.6333 0.8000

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1667

For impact assessment areas
Area Size (ac) = 3.71098922696
FL= delta x acres = N/A

Delta = [with-current]:
0.1667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1667
FG = RFG x acres = 0.62 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 12W-62B-P	
FLUCCs Code: 641-618-617	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 3.0713
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by hardwoods, E side borders cattle pasture				
Assessment Area Description: Herbaceous wetland, connected to other wetlands, shrubs around edges				
Significant Nearby Features: Lettis Creek < 400 yds to the E, Brushy Creek		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Water bird foraging, amphibian breeding, seasonal fish habitat, turtles, frog, water snakes		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle, deer, racoon, fish (prob Gambusia), hogs, black vulture, bullfrog or pig frog				
Additional relevant factors: None				
Assessment conducted by: SCR/LMP			Assessment date(s): 09-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 12W-62B-P
Impact or Mitigation Mitigation	Assessment conducted by: SCR/LMP	Assessment Date: 09-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Wildlife access to/from AA is not limited by distance or barriers.			
w/o pres or current	with			
5	7			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Unregulated cattle influence good zonation high nutrient levels (Water spangles, duckweed). Unregulated/exempt activities could compromise water quantity/quality. Water levels and flow moderately higher/lower than appropriate considering natural variation. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
6	7			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Moderate degree of siltation/algal growth to impede submerged aquatic plant growth. Minimal cover by invasive/exotic plant species. Land Management Practices Optimal.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Majority of plant covers is desirable plant species in all strata. Strong evidence of normal regeneration/recruitment. Age/size distribution typical.			
w/o pres or current	with			
7	8			

Score = sum of above scores/30 (if uplands, divide by 20)
0.6000 0.7333

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1333

For impact assessment areas
Area Size (ac) = 3.07126756474
FL= delta x acres = N/A

Delta = [with-current]:
0.1333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1333
FG = RFG x acres = 0.41 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 12W-64-P	
FLUCCs Code: 641-630	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 1.1758
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Surrounded by hardwoods and cattle pasture. Hydrologically isolated but deemed jurisdictional by the USACE in the 2012 Jurisdictional Verification.</p>				
<p>Assessment Area Description:</p> <p>This is a 1.18-acre herbaceous wetland with a small forested component.</p>				
Significant Nearby Features: Lettis Creek < 300 yds to the E		<p>Uniqueness (considering the relative rarity in relation to the regional landscape.)</p> <p>None</p>		
<p>Functions:</p> <p>Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.</p>		<p>Mitigation for previous permit/other historic use:</p> <p>None</p>		
<p>Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)</p> <p>Water bird foraging, amphibian breeding, seasonal fish habitat, turtles, frog, water snakes</p>		<p>Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area):</p> <p>American Alligator (FT, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage)</p>		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>Hogs, great egrets, cattle, racoon, deer</p>				
<p>Additional relevant factors:</p> <p>None</p>				
Assessment conducted by: SCR, LMP			Assessment date(s): 09-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 12W-64-P
Impact or Mitigation Mitigation	Assessment conducted by: LMP/SCR	Assessment Date: 09-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Wildlife access to/from AA is not limited by distance or barriers.			
w/o pres or current	with			
5	8			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Turbidity- heavy cattle influence. Unregulated and/or exempt agricultural activities in this AA and surrounding uplands could lead to changes in hydroperiod and/or degradation of water quality. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
5	6			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Moderate degree of siltation/algal growth to impede submerged aquatic plant growth. Much lower/higher quantity of good structure habitat (see rule for details) Minimal cover by invasive/exotic plant species .			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Majority of plant covers is desirable plant species in all strata . Evidence of near normal regeneration/recruitment. Age/size distribution typical, may show temporary deviations.			
w/o pres or current	with			
6	7			

Score = sum of above scores/30 (if uplands, divide by 20)
0.5333 0.7000

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1667

For impact assessment areas
Area Size (ac) = 1.17579838263
FL= delta x acres = N/A

Delta = [with-current]:
0.1667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1667
FG = RFG x acres = 0.20 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 12W-65-P	
FLUCCs Code: 643	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 0.0701
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Hydrologically isolated but deemed jurisdictional by the USACE in the 2012 Jurisdictional Verification. Surrounded by upland hardwoods.				
Assessment Area Description: This is a 0.07-acre wet prairie.				
Significant Nearby Features: Brushy Creek approximately 300' to the West.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Water bird foraging, amphibian breeding, seasonal fish habitat, turtles, frog, water snakes		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) None				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 19-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 12W-65-P
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I.			
w/o pres or current	with			
5	8			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Unregulated and/or exempt agricultural activities in this AA and surrounding uplands could lead to changes in hydroperiod and/or degradation of water quality. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
7	8			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Majority of plant covers is desirable plant species in all strata. Strong evidence of normal regeneration/recruitment. Age/size distribution typical.			
w/o pres or current	with			
7	8			

Score = sum of above scores/30 (if uplands, divide by 20)
0.6333 0.8000

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1667

For impact assessment areas
Area Size (ac) = 0.07009296989
FL= delta x acres = N/A

Delta = [with-current]:
0.1667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1667
FG = RFG x acres = 0.01 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 12W-66-P	
FLUCCs Code: 617-641-513	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 1.4206
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by hardwoods, connected to other wetlands south of property				
Assessment Area Description: This is a 1.42-acre forested wetland with area of herbaceous wetland on N side.				
Significant Nearby Features: Brushy Creek to the N		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Red-shouldered hawk, barred owl, armadillo burrow, crayfish, fish				
Additional relevant factors: None				
Assessment conducted by: SCR/LMP			Assessment date(s): 08-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 12W-66-P
Impact or Mitigation Mitigation	Assessment conducted by: SCR/LMP	Assessment Date: 08-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Wildlife access to/from AA is not limited by distance or barriers.			
w/o pres or current	with			
5	8			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Water extremely turbid in areas, although clear on N end water has oil sheen. Unregulated/exempt activities could compromise water quantity/quality. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
6	7			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. No evidence of siltation/algal growth to impede submerged aquatic plant growth. Evidence of near normal regeneration/recruitment. Age/size distribution typical, may show temporary deviations.			
	With mitigation: Diverse vegetative community. The CE and permit conditions will require baseline conditions be maintained or improved. No evidence of siltation/algal growth to impede submerged aquatic plant growth. Evidence of near normal regeneration/recruitment. Age/size distribution typical, may show temporary deviations. All/nearly all of plant covers is by appropriate and desirable plant species in all strata. Age/size distribution typical.			
w/o pres or current	with			
8	9			

Score = sum of above scores/30 (if uplands, divide by 20)
0.6333 0.8000

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1667

For impact assessment areas
Area Size (ac) = 1.42056344527
FL= delta x acres = N/A

Delta = [with-current]:
0.1667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1667
FG = RFG x acres = 0.24 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 12W-68-P	
FLUCCs Code: 6417	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 2.7906
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Isolated, non-jurisdictional wetland surrounded by native uplands.				
Assessment Area Description: This is a 2.79-acre herbaceous wetland that is surrounded by native upland hardwoods.				
Significant Nearby Features: Approximately equidistant from Brushy Creek and Lettis Creek.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Water bird foraging, amphibian breeding, seasonal fish habitat, turtles, frog, water snakes		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)				
Additional relevant factors:				
Assessment conducted by: SCR/BEH			Assessment date(s): 20-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 12W-68-P
Impact or Mitigation Mitigation	Assessment conducted by: SCR/BEH	Assessment Date: 20-Jan-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Area Land Uses have minimal adverse impacts on wildlife. Wildlife access to/from AA is not limited by distance or barriers.			
w/o pres or current	with			
5	9			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Unregulated and/or exempt agricultural activities in this AA and surrounding uplands could lead to changes in hydroperiod and/or degradation of water quality. Water levels and flow moderately higher/lower than appropriate considering natural variation. Direct observation of standing water indicates significant water quality degradation such as discoloration, turbidity, or oil sheen.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
6	7			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Land Management Practices generally appropriate. No evidence of siltation/algal growth to impede submerged aquatic plant growth.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. All/nearly all of plant covers is by appropriate and desirable plant species in all strata. Strong evidence of normal regeneration/recruitment. Age/size distribution typical.			
w/o pres or current	with			
8	9			

Score = sum of above scores/30 (if uplands, divide by 20)
0.6333 0.8333

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.2000

For impact assessment areas
Area Size (ac) = 2.7906
FL= delta x acres = N/A

Delta = [with-current]:
0.2000

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.2000
FG = RFG x acres = 0.56 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 12W-69-P	
FLUCCs Code: 617	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 0.0037
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Hydrologically isolated but deemed jurisdictional by the USACE in the 2012 Jurisdictional Verification. Surrounded by upland hardwood forest and existing along the project boundary.</p>				
<p>Assessment Area Description:</p> <p>This is a 0.004-acre hardwood swamp along the project boundary.</p>				
Significant Nearby Features: Abuts project boundary.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) None				
Additional relevant factors: None				
Assessment conducted by: SMG			Assessment date(s): 10-Jul-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 12W-69-P
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, raw crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Wildlife access to/from AA is not limited by distance or barriers. Area Land Uses have no adverse impacts on wildlife. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I.			
w/o pres or current	with			
5	8			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Unregulated and/or exempt agricultural activities in this AA and surrounding uplands could lead to changes in hydroperiod and/or degradation of water quality. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
6	7			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Much lower/higher quantity of good structure habitat (see rule for details)			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Strong evidence of normal regeneration/recruitment. Age/size distribution typical.			
w/o pres or current	with			
7	8			

Score = sum of above scores/30 (if uplands, divide by 20)
0.6000 0.7667

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1667

For impact assessment areas
Area Size (ac) = 0.00369559794
FL= delta x acres = N/A

Delta = [with-current]:
0.1667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1667
FG = RFG x acres = 0.00 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 12W-70-P	
FLUCCs Code: 643-626	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 2.8057
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Isolated, non-jurisdictional wetland surrounded by native upland hardwoods.				
Assessment Area Description: This is a 2.81-acre shallow marsh with a small forested component.				
Significant Nearby Features: Lettis Creek to the East.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Water bird foraging, amphibian breeding, seasonal fish habitat, turtles, frog, water snakes		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)				
Additional relevant factors:				
Assessment conducted by: SCR/BEH			Assessment date(s): 20-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 12W-70-P
Impact or Mitigation Mitigation	Assessment conducted by: SCR/BEH	Assessment Date: 20-Jan-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided with lesser frequency or magnitude compared to optimal conditions.			
w/o pres or current	with			
5	8			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Unregulated and/or exempt agricultural activities in this AA and surrounding uplands could lead to changes in hydroperiod and/or degradation of water quality. Water levels and flow moderately higher/lower than appropriate considering natural variation. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.			
w/o pres or current	with			
7	8			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use.			
	With mitigation: Dominated by maiden cane throughout, with small amounts of Pontederia on north central side clumps of Juncus around edges, also Xyris outer ring dominated by Andropogon with scattered Hypericum. Strong evidence of normal regeneration/recruitment. Age/size distribution typical. Minor degree of siltation/algal growth to impede submerged aquatic plant growth.			
w/o pres or current	with			
7	8			

Score = sum of above scores/30 (if uplands, divide by 20)
0.6333 0.8000

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1667

For impact assessment areas
Area Size (ac) = 2.8057
FL= delta x acres = N/A

Delta = [with-current]:
0.1667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1667
FG = RFG x acres = 0.47 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 12W-71-P	
FLUCCs Code: 617	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 0.0168
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Hydrologically isolated but deemed jurisdictional by the USACE in the 2012 Jurisdictional Verification. Surrounded by upland hardwood forest and existing along the project boundary.</p>				
<p>Assessment Area Description:</p> <p>This is a 0.02-acre hardwood swamp along the southern project boundary.</p>				
Significant Nearby Features: Abuts project boundary.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) None				
Additional relevant factors: None				
Assessment conducted by: SMG			Assessment date(s): 10-Jul-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 12W-71-P
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Wildlife access to/from AA is not limited by distance or barriers.			
w/o pres or current	with			
5	8			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: This area has been and would likely continue to be degraded by local/regional ditch network and agricultural activities. Unregulated/exempt activities could compromise water quantity/quality.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
6	7			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Much lower/higher quantity of good structure habitat (see rule for details)			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Age/size distribution typical. Strong evidence of normal regeneration/recruitment.			
w/o pres or current	with			
7	8			

Score = sum of above scores/30 (if uplands, divide by 20)
0.6000 0.7667

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1667

For impact assessment areas
Area Size (ac) = 0.01677498198
FL= delta x acres = N/A

Delta = [with-current]:
0.1667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1667
FG = RFG x acres = 0.00 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 12W-72-P	
FLUCCs Code: 617-513	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 0.0961
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by hardwoods, flows out of the southern property boundary				
Assessment Area Description: This is a 0.1-acre forested wetland that includes a channel connecting 12W-66 to wetlands south of the property.				
Significant Nearby Features: Brushy Creek to the N		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Crayfish, red-shouldered hawk, barred owl, armadillo burrow, fish				
Additional relevant factors: None				
Assessment conducted by: SCR/LMP			Assessment date(s): 08-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 12W-72-P
Impact or Mitigation Mitigation	Assessment conducted by: SCR/LMP	Assessment Date: 08-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.	
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I.	
w/o pres or current	with	
5	8	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: S side of channel is dry bank eroded in places b/c of cattle crossing water on N side of channel is moderately turbid with an oil sheen. Unregulated/exempt activities could compromise water quantity/quality. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.	
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).	
w/o pres or current	with	
6	7	

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. No evidence of siltation/algal growth to impede submerged aquatic plant growth. Evidence of near normal regeneration/recruitment. Majority of plant covers is desirable plant species in all strata .	
	With mitigation: Diverse vegetative community. The CE and permit conditions will require baseline conditions be maintained or improved. No evidence of siltation/algal growth to impede submerged aquatic plant growth. Evidence of near normal regeneration/recruitment. Majority of plant covers is desirable plant species in all strata . Age/size distribution typical.	
w/o pres or current	with	
7	8	

Score = sum of above scores/30 (if uplands, divide by 20)
0.6000 0.7667

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1667

For impact assessment areas
Area Size (ac) = 0.09608479300
FL= delta x acres = N/A

Delta = [with-current]:
0.1667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1667
FG = RFG x acres = 0.02 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 12W-74-P	
FLUCCs Code: 617-6417	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 1.6632
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Isolated, non-jurisdictional wetland surrounded by native upland hardwoods.				
Assessment Area Description: This is a 1.66-acre forested wetland with a small herbaceous wetland associated.				
Significant Nearby Features: Lettis Creek to the East.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)				
Additional relevant factors:				
Assessment conducted by: SCR/LMP			Assessment date(s): 08-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 12W-74-P
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, row crops, etc.) Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Wildlife access to/from AA is not limited by distance or barriers.			
w/o pres or current	with			
5	8			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Hog damage expected to continue. Unregulated and/or exempt agricultural activities in this AA and surrounding uplands could lead to changes in hydroperiod and/or degradation of water quality. Water levels and flow moderately higher/lower than appropriate considering natural variation. Direct observation of standing water indicates significant water quality degradation such as discoloration, turbidity, or oil sheen.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow moderately higher/lower than appropriate considering natural variation. Water level indicators not distinct or consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in most strata inappropriate for TOS. Plant community composition is characterized predominately by species tolerant of and associated with highly degraded water/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
7	8			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. Evidence of near normal regeneration/recruitment. Slightly lower/higher quantity of good structural habitat (see rule for details). Minor degree of siltation/algal growth to impede submerged aquatic plant growth.			
	With mitigation: Outer ring- Ulmus, Iris, Cladium, Salix towards the center- popash, smartweed, Cladium good structural habitat extensive hog damage outside wetland. The CE and permit conditions will require baseline conditions be maintained or improved. Evidence of near normal regeneration/recruitment. Minor degree of siltation/algal growth to impede submerged aquatic plant growth. Age/size distribution typical.			
w/o pres or current	with			
7	8			

Score = sum of above scores/30 (if uplands, divide by 20)
0.6333 0.8000

If preservation as mitigation,
Preservation adjustment factor = 1.0000
Adjusted mitigation delta = 0.1667

For impact assessment areas
Area Size (ac) = 1.6632
FL= delta x acres = N/A

Delta = [with-current]:
0.1667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1667
FG = RFG x acres = 0.28 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 06W-20-P	
FLUCCs Code: 343-617-513-630-616-534-512	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 102.9119
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected to numerous wetlands; streams flow into the ditches in this wetland from other wetlands (one NW and one central E side). ~400 yds S of mine.				
Assessment Area Description: This is a 102.9-acre herbaceous wetland. A ditch runs through the center of the length of the wetland; three other ditches within the wetland. Many micro wetlands within this larger wetland as well as a cattle pond. Trees scattered throughout.				
Significant Nearby Features: Lettis Creek ~200 yds W of SW corner of wetland		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Water bird foraging, amphibian breeding, seasonal fish habitat, turtles, frog, water snakes		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Armadillo, deer, turkeys, cattle egrets, cattle, hog, mocking birds, great egret, killdeer				
Additional relevant factors: Many micro habitats throughout wetland. There are many small wetlands within this large wetland. Most are different from each other. Cattle pond also found in wetland.				
Assessment conducted by: SAE/LMP			Assessment date(s): 10-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 06W-20-P
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scores assume the surrounding uplands could be easily converted to a more intensive and unregulated land use. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: In the post reclamation landscape, habitat preservation will be reduced and the AA will be surrounded by vast reclaimed native upland and wetland habitats.			
w/o pres or current	with			
7	9			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Large ditch runs through center the length of the wetland. Three other ditches flow into wetland. Some areas dry, other areas with standing water. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen. Water levels and flow slightly higher/lower than appropriate considering natural variation.			
	With mitigation: Enhancement activities (ditch block) will rehydrate this AA and restore the natural hydroperiod. These activities will result in a vegetation continuity with appropriate zonation and composition. See Section 3.1 of the Reclamation Plan.			
w/o pres or current	with			
4	8			

.500(7)(c) Community Structure	Without mitigation: Diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Majority of plant covers is desirable plant species in all strata . Evidence of near normal regeneration/recruitment. Age/size distribution typical, may show temporary deviations. Slightly lower/higher quantity of good structural habitat (see rule for details). Land Management Practices resulted in partial removal/alteration of natural structures, add some artificial features.			
	With mitigation: Enhancement activities will restore the hydroperiod of this wetland resulting in a reduction of upland species and increase in desirable species. Protection/management as part of the CE will enhance the CS of this AA. See Section 3.1 of Reclamation Plan.			
w/o pres or current	with			
5	8			

Score = sum of above scores/30 (if uplands, divide by 20)
0.5333 0.8333

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas
Area Size (ac) = 102.911887524
FL= delta x acres = N/A

Delta = [with-current]:
0.3000

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.25

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.2400
FG = RFG x acres = 24.70 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 06W-60-P	
FLUCCs Code: 617-641-6417-616-513-643	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 7.5520
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by flatwoods and hardwoods, within a large natural area.				
Assessment Area Description: This is a 7.56-acre herbaceous wetland surrounded by hardwoods.				
Significant Nearby Features: Lettis Creek to W		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle, hog, deer, cricket frog, great blue heron, sandhill crane.				
Additional relevant factors:				
Assessment conducted by: LMP/SAE			Assessment date(s): 26-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 06W-60-P
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scores assume the surrounding uplands could be easily converted to a more intensive and unregulated land use. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: In the post reclamation landscape, habitat preservation will be reduced and the AA will be surrounded by vast reclaimed native upland and wetland habitats. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Area Land Uses have minimal adverse impacts on wildlife. Discharges from AA significant to downstream areas, which could suffer substantial adverse impacts if quality/quantity were altered. Wildlife access to/from AA is partially limited by distance or barriers.			
w/o pres or current	with			
7	9			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Large ditch runs through center the length of the wetland. Three other ditches flow into wetland. Some areas dry, other areas with standing water. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen. Water levels and flow slightly higher/lower than appropriate considering natural variation.			
	With mitigation: Enhancement activities to hydrologically connected Wetland 06W-20-P will restore the natural hydroperiod. These activities will result in a vegetation continuity with appropriate zonation and composition. See Section 3.1 of the Reclamation Plan.			
w/o pres or current	with			
6	8			

.500(7)(c) Community Structure	Without mitigation: Diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Majority of plant covers is desirable plant species in all strata . Slightly lower/higher quantity of good structural habitat (see rule for details). Evidence of near normal regeneration/recruitment. Age/size distribution typical, may show temporary deviations. Land Management Practices resulted in partial removal/alteration of natural structures, add some artificial features.			
	With mitigation: Enhancement to hydro connected 06W-20-P will restore the hydroperiod of the AA resulting in a reduction of upland species and increase in desirable species. CE protection/management will enhance the CS of this AA. See Sec 3.1 of Reclamation Plan.			
w/o pres or current	with			
7	8			

Score = sum of above scores/30 (if uplands, divide by 20)
0.6667 0.8333

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas
Area Size (ac) = 7.55200214709
FL= delta x acres = N/A

Delta = [with-current]:
0.1667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.25

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1333
FG = RFG x acres = 1.01 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 06W-76-P	
FLUCCs Code: 617-641-6417-513-511	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 5.3743
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connects many wetlands together surrounded by flatwoods and hardwoods.				
Assessment Area Description: This is a 5.37-acre Lettis Creek floodplain wetland surrounded by upland hardwoods and flatwoods.				
Significant Nearby Features: This is Lettis Creek		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cattle, hog, deer, cricket frog, great blue heron, sandhill crane, woodpecker.				
Additional relevant factors:				
Assessment conducted by: LMP/SAE			Assessment date(s): 04-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 06W-76-P
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scores assume the surrounding uplands could be easily converted to a more intensive and unregulated land use. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: In the post reclamation landscape, habitat preservation will be reduced and the AA will be surrounded by vast reclaimed native upland and wetland habitats.			
w/o pres or current	with			
5	8			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Large ditch runs through center the length of the wetland. Three other ditches flow into wetland. Some areas dry, other areas with standing water. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen. Water levels and flow slightly higher/lower than appropriate considering natural variation.			
	With mitigation: Enhancement activities to hydrologically connected Wetland 06W-20-P will restore the natural hydroperiod. These activities will result in a vegetation continuity with appropriate zonation and composition. See Section 3.1 of the Reclamation Plan.			
w/o pres or current	with			
6	8			

.500(7)(c) Community Structure	Without mitigation: Diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Majority of plant covers is desirable plant species in all strata . Evidence of near normal regeneration/recruitment. Age/size distribution typical, may show temporary deviations. Slightly lower/higher quantity of good structural habitat (see rule for details). Land Management Practices resulted in partial removal/alteration of natural structures, add some artificial features.			
	With mitigation: Enhancement to hydro connected 06W-20-P will restore the hydroperiod of the AA resulting in a reduction of upland species and increase in desirable species. CE protection/management will enhance the CS of this AA. See Sec 3.1 of Reclamation Plan.			
w/o pres or current	with			
7	8			

Score = sum of above scores/30 (if uplands, divide by 20)
0.6000 0.8000

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas
Area Size (ac) = 5.37433291420
FL= delta x acres = N/A

Delta = [with-current]:
0.2000

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.25

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.1600
FG = RFG x acres = 0.86 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: 07W-08-P	
FLUCCs Code: 617-511-6415		Further Classification: N/A		Impact or Mitigation Site? Mitigation	
Assessment Area Size (ac): 6.4711		Basin/Watershed Name/Number:			
Affected Waterbody (Class): Class		Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A			
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands The narrow channel of Lettis Creek runs through this floodplain wetland; surrounded primarily by pasture. Farther South it is narrowly surrounded by hardwoods.					
Assessment Area Description: This is a 6.47-acre forested floodplain wetland that includes the narrow channel of Lettis Creek. Trees and wetland grasses line the banks and lots of grasses and fallen trees within the stream.					
Significant Nearby Features: Surrounds Lettis Creek			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Cow, hog					
Additional relevant factors:					
Assessment conducted by: SAE/LMP				Assessment date(s): 26-Jan-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 07W-08-P
Impact or Mitigation Mitigation	Assessment conducted by: SAE/LMP	Assessment Date: 26-Jan-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scores assume the surrounding uplands could be easily converted to pasture similar to nearby areas. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Area Land Uses have minimal adverse impacts on wildlife. Wildlife access to/from AA is partially limited by distance or barriers. Discharges from AA significant to downstream areas, which could suffer substantial adverse impacts if quality/quantity were altered.			
w/o pres or current	with			
5	8			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: Oil sheen observed on the surface in some areas. Cattle influence. Stagnant at time of study. Dry in some areas- water flow stops and then picks up again. Cattle crossings causing erosion in some areas. Direct observation of standing water indicates significant water quality degradation such as discoloration, turbidity, or oil sheen. Soil deviated from appropriate, erosion/deposition patterns atypical/indicate alterations. Existing water quality data indicates moderate deviation from norm, but not expected to cause more than minimal effects.			
	With mitigation: Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
3	8			

.500(7)(c) Community Structure	Without mitigation: Palms, palmettos, oaks and wetland grasses along the banks. Lots of Iris within the stream. Fallen trees in the stream. Wetland grasses throughout the stream- dense in some areas and sparse in others. Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Slightly lower/higher quantity of good structural habitat (see rule for details).			
	With mitigation: Palms, palmettos, oaks and wetland grasses along the banks. Lots of Iris within the stream. Fallen trees in the stream. Wetland grasses throughout the stream- dense in some areas and sparse in others. Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Slightly lower/higher quantity of good structural habitat (see rule for details).			
w/o pres or current	with			
7	8			

Score = sum of above scores/30 (if uplands, divide by 20)
0.5000 0.8000

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas
Area Size (ac) = 6.47107514257
FL= delta x acres = N/A

Delta = [with-current]:
0.3000

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.25

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.2400
FG = RFG x acres = 1.55 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 12W-40-P	
FLUCCs Code: 617-511	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 1.2129
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Historically, an in-line wetland that has been altered by the excavation of a cattle pond. Upland hardwoods to North and South.				
Assessment Area Description: This is a 1.21-acre forested wetland that will be hydrologically enhanced prior to mining activities on the project.				
Significant Nearby Features: Lettis Creek runs through		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Opossum, raccoon, squirrel, otter, white-tailed deer, woodpeckers, turkey, passerine birds, barred owl, limpkin, night heron, swallow-tailed kite, red-shouldered hawk, anole, turtles, snakes, frogs, salamanders		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) American Alligator, White-tailed deer, Wild turkey, Feral pig, Squirrel tree frog				
Additional relevant factors: None				
Assessment conducted by: SCR/LMP			Assessment date(s): 09-Feb-2005	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 12W-40-P
Impact or Mitigation Mitigation	Assessment conducted by: SCR/LMP/smg	Assessment Date: 09-Feb-2005

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scoring is based on the idea that no regulatory obstacles prevent the surrounding uplands from being converted to a more intensive land use (i.e., pasture, raw crops, etc.) Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support for many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Hydrologic/flow impediments limit AA from providing benefits downstream, such benefits provided rarely or at greatly reduced levels compared to optimal conditions.			
	With mitigation: Post-reclamation landscape will reduce fragmentation and this area will be part of a vast area of native and reclaimed wildlife habitat. The CE and permit conditions will require baseline conditions be maintained or improved. Area Land Uses have significant adverse impacts on wildlife. Habitat outside AA provide full range of habitats needed to support all wildlife in Pt. I. Wildlife access to/from AA is partially limited by distance or barriers. Discharges from AA significant to downstream areas, which could suffer substantial adverse impacts if quality/quantity were altered.			
w/o pres or current	with			
6	9			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: water is impounded- natural stream flow was altered W of this wetland by the construction of a cattle pond, cutting off flow E of the pond. Unregulated/exempt activities could compromise water quantity/quality. Water levels and flow slightly higher/lower than appropriate considering natural variation. Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen.			
	With mitigation: The CE and permit conditions will require baseline conditions be maintained or improved. Water levels and flow appear appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS. Vegetation or benthic community zonation in all strata appropriate for TOS. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).			
w/o pres or current	with			
3	8			

.500(7)(c) Community Structure	Without mitigation: Without the proposed CE, composition and diversity of desirable species may be compromised as surrounding landscape is altered to create crops, pastureland or other similar use. Unregulated logging could compromise the CS without preservation. Majority of plant covers is desirable plant species in all strata . Slightly lower/higher quantity of good structural habitat (see rule for details). Land Management Practices resulted in partial removal/alteration of natural structures, add some artificial features. Minor degree of siltation/algal growth to impede submerged aquatic plant growth.			
	With mitigation: Diverse vegetative community. The CE and permit conditions will require baseline conditions be maintained or improved. Majority of plant covers is desirable plant species in all strata . Slightly lower/higher quantity of good structural habitat (see rule for details). Evidence of near normal regeneration/recruitment. Age/size distribution typical, may show temporary deviations.			
w/o pres or current	with			
6	8			

Score = sum of above scores/30 (if uplands, divide by 20)
0.5000 0.8333

If preservation as mitigation,
Preservation adjustment factor =
Adjusted mitigation delta =

For impact assessment areas	
Area Size (ac) =	1.21290326577
FL= delta x acres =	N/A

Delta = [with-current]:
0.3333

If mitigation	
Time lag (t-factor) =	1
Risk factor =	1.25

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.2667
FG = RFG x acres =	0.32 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 03W-34B-DR	
FLUCCs Code: 617	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 0.7217
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>This is the wetland that surrounds the Brushy Creek channel. Preservation uplands and wetlands to the East and West, reclaimed native habitat proposed North and South.</p>				
<p>Assessment Area Description:</p> <p>This is a 0.72-acre forested wetland surrounding Brushy Creek that will be restored after removal of temporary utility/dragline crossing.</p>				
Significant Nearby Features: Brushy Creek flows through this system. Large preservation area adjacent to the East and West.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) Mosquitofish, leopard frog				
Additional relevant factors:				
Assessment conducted by: SMG			Assessment date(s): 10-Jul-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 03W-34B-DR
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scores assume the surrounding uplands could be easily converted to pasture similar to nearby areas.	
	With mitigation: Connected on two sides to the Brushy Creek preservation area and bordered on North and South by large reclaimed habitat area. Habitat outside AA provide full range of habitats needed to support all wildlife in Pt. I. Wildlife access to/from AA is partially limited by distance or barriers.	
w/o pres or current	with	
0	7	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Part of a restored section of the reclaimed Brushy Creek floodplain forest system. Water levels and flow slightly higher/lower than appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS.	
w/o pres or current	with	
0	8	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Excellent habitat in the vicinity to ensure colonization and recruitment by desirable species. All/nearly all of plant covers is by appropriate and desirable plant species in all strata. Minimal cover by invasive/exotic plant species .	
w/o pres or current	with	
0	9	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.8000

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas
Area Size (ac) = 0.72166826039
FL= delta x acres = N/A

Delta = [with-current]:
0.8000

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.5

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.5333
FG = RFG x acres = 0.38 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: 03W-34-DR	
FLUCCs Code: 617	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 0.1726
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>This is the wetland that surrounds the Brushy Creek channel. Preservation uplands and wetlands to the East and West, reclaimed native habitat proposed North and South.</p>				
<p>Assessment Area Description:</p> <p>This is a 0.18-acre forested wetland surrounding Brushy Creek that will be restored after removal of temporary utility/dragline crossing.</p>				
Significant Nearby Features: Brushy Creek flows through this system. Large preservation area adjacent to the East and West.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): American Alligator (FT, Nest & Forage), Caracara (FT, Nest & Forage), Homosassa Shrew (SSC, Nest & Forage), Wading Birds (SSC, ST, FE, Nest & Forage), Shermans Fox Squirrel (SSC, Nest & Forage)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)				
Additional relevant factors:				
Assessment conducted by: SMG			Assessment date(s): 10-Jul-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number 03W-34-DR
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: Scores assume the surrounding uplands could be easily converted to pasture similar to nearby areas.	
	With mitigation: Connected on two sides to the Brushy Creek preservation area and bordered on North and South by large reclaimed habitat area. Habitat outside AA provide full range of habitats needed to support all wildlife in Pt. I. Wildlife access to/from AA is partially limited by distance or barriers.	
w/o pres or current	with	
0	7	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Part of a restored section of the reclaimed Brushy Creek floodplain forest system. Water levels and flow slightly higher/lower than appropriate considering natural variation. Water level indicators distinct and consistent w/expected hydrologic conditions for TOS.	
w/o pres or current	with	
0	8	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Excellent habitat in the vicinity to ensure colonization and recruitment by desirable species. All/nearly all of plant covers is by appropriate and desirable plant species in all strata. Minimal cover by invasive/exotic plant species .	
w/o pres or current	with	
0	9	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.8000

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas
Area Size (ac) = 0.17263650675
FL= delta x acres = N/A

Delta = [with-current]:
0.8000

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.5

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.5333
FG = RFG x acres = 0.09 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: DB-IS-R59	
FLUCCs Code: 610	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 27.8300
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands This wetland is totally surrounded by native reclaimed uplands and wetlands.				
Assessment Area Description: This is a 27.83-acre hardwood swamp that is within a large block of native reclaimed habitat.				
Significant Nearby Features: -0.25 miles north of proposed restoration of Troublesome Creek Headwater Wetland.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SMG			Assessment date(s): 24-Jun-2016	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number DB-IS-R59
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 24-Jun-2016

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: N/A
	With mitigation: Part of a large block of native reclaimed uplands and wetlands. Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Wildlife access to/from AA is partially limited by distance or barriers.
w/o pres or current	with
0	7

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: N/A
	With mitigation: Conservation Easement over wetland and 25 ft. upland buffer protects water quality.
w/o pres or current	with
0	6

.500(7)(c) Community Structure	Without mitigation: N/A
	With mitigation: Planting, maintenance and monitoring in accordance with the CMP.
w/o pres or current	with
0	7

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.6667

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas	
Area Size (ac) =	27.83
FL= delta x acres =	N/A

Delta = [with-current]:
0.6667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.5

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.4444
FG = RFG x acres =	12.37 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-01W-02-641	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 18.3219
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected by stream to other wetlands				
Assessment Area Description: This is a 18.32-acre herbaceous marsh.				
Significant Nearby Features: Adjacent to CSA (2)		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-01W-02-641
Impact or Mitigation Mitigation	Assessment conducted by: SCP	Assessment Date: 19-Jan-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Area Land Uses have minimal adverse impacts on wildlife.	
w/o pres or current	with	
0	6	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	6	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.6333

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas	
Area Size (ac) =	18.321872034
FL= delta x acres =	N/A

Delta = [with-current]:
0.6333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.25

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.5067
FG = RFG x acres =	9.28 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-01W-02-643	
FLUCCs Code: 643	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 9.2578
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected by stream to other wetlands				
Assessment Area Description: This is a 9.26-acre wet prairie.				
Significant Nearby Features: Adjacent to CSA (2)		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-01W-02-643
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Area Land Uses have minimal adverse impacts on wildlife.	
w/o pres or current	with	
0	6	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	6	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.6333

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas	
Area Size (ac) =	9.25780835126
FL= delta x acres =	N/A

Delta = [with-current]:
0.6333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.5

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.4222
FG = RFG x acres =	3.91 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-01W-05-626	
FLUCCs Code: 626	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 0.4664
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands This is part of a headwater wetland system within a large block of native reclaimed upland and wetland habitat.				
Assessment Area Description: This is a 0.47-acre reclaimed hydric pine savannah along the edge of a headwater marsh system.				
Significant Nearby Features: Brushy Creek, Lettis Creek, Preservation areas		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-01W-05-626
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Wildlife access to/from AA is partially limited by distance or barriers. Habitat outside AA provide full range of habitats needed to support all wildlife in Pt. I. Area Land Uses have no adverse impacts on wildlife.	
w/o pres or current	with	
0	8	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Presence/evidence of use by animal species w/specific hydrologic requirements is consistent w/expected expected hydrologic conditions for TOS. Existing water quality data indicates slight deviation from norm, but not expected to cause more than minimal effects.	
w/o pres or current	with	
0	8	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Minimal cover by invasive/exotic plant species . Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.7667

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas
Area Size (ac) = 0.46639940631
FL= delta x acres = N/A

Delta = [with-current]:
0.7667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.5

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.5111
FG = RFG x acres = 0.24 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-01W-05-641	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 3.7068
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands This is part of a headwater wetland system within a large block of native reclaimed upland and wetland habitat.				
Assessment Area Description: This is a 3.71-acre headwater marsh.				
Significant Nearby Features: Brushy Creek, Lettis Creek, Preservation areas		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-01W-05-641
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Wildlife access to/from AA is partially limited by distance or barriers. Habitat outside AA provide full range of habitats needed to support all wildlife in Pt. I. Area Land Uses have no adverse impacts on wildlife.	
w/o pres or current	with	
0	8	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Presence/evidence of use by animal species w/specific hydrologic requirements is consistent w/expected expected hydrologic conditions for TOS. Existing water quality data indicates slight deviation from norm, but not expected to cause more than minimal effects.	
w/o pres or current	with	
0	8	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Minimal cover by invasive/exotic plant species . Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.7667

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas	
Area Size (ac) =	3.7068481339
FL= delta x acres =	N/A

Delta = [with-current]:
0.7667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.25

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.6133
FG = RFG x acres =	2.27 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-01W-06-641	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 5.2632
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Serves as a headwater to a Lettis Creek tributary. Surrounded by reclaimed native upland habitat with pasture ~150' to the North.				
Assessment Area Description: This is a 5.26-acre reclaimed herbaceous marsh.				
Significant Nearby Features: Within the largest block of reclaimed native habitat onsite.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-01W-06-641
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Wildlife access to/from AA is not limited by distance or barriers.	
w/o pres or current	with	
0	7	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	6	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.6667

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas	
Area Size (ac) =	5.2632
FL= delta x acres =	N/A

Delta = [with-current]:
0.6667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.25

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.5333
FG = RFG x acres =	2.81 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-01W-07-617	
FLUCCs Code: 617	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 0.6985
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands This is part of a headwater wetland system within a large block of native reclaimed upland and wetland habitat.				
Assessment Area Description: This is a 0.7-acre reclaimed wetland hardwood swamp that includes a narrow flowway.				
Significant Nearby Features: Brushy Creek, Lettis Creek, Preservation areas		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-01W-07-617
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Wildlife access to/from AA is partially limited by distance or barriers. Habitat outside AA provide full range of habitats needed to support all wildlife in Pt. I. Area Land Uses have no adverse impacts on wildlife.	
w/o pres or current	with	
0	8	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Presence/evidence of use by animal species w/specific hydrologic requirements is consistent w/expected expected hydrologic conditions for TOS. Existing water quality data indicates slight deviation from norm, but not expected to cause more than minimal effects.	
w/o pres or current	with	
0	8	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Minimal cover by invasive/exotic plant species . Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.7667

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas
Area Size (ac) = 0.69845938069
FL= delta x acres = N/A

Delta = [with-current]:
0.7667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.5

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.5111
FG = RFG x acres = 0.36 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-01W-08-641	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 16.2948
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected by stream to other wetlands				
Assessment Area Description: This is a 16.29-acre herbaceous marsh.				
Significant Nearby Features: Adjacent to CSA		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-01W-08-641
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Wildlife access to/from AA is not limited by distance or barriers.	
w/o pres or current	with	
0	7	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	7	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.7000

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas	
Area Size (ac) =	16.2947667944
FL= delta x acres =	N/A

Delta = [with-current]:
0.7000

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.25

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.5600
FG = RFG x acres =	9.13 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: R-01W-09-617	
FLUCCs Code: 617		Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 2.5626
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Exists as part of a chain of wetlands feeding into a wetland preservation/enhancement area.					
Assessment Area Description: This is a 2.56-acre reclaimed wetland hardwood swamp.					
Significant Nearby Features: Brushy Creek, Lettis Creek, preservation areas. Directly abuts preservation area that includes a large enhancement component.			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A					
Additional relevant factors: None					
Assessment conducted by: SCP				Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-01W-09-617
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Wildlife access to/from AA is partially limited by distance or barriers. Habitat outside AA provide full range of habitats needed to support all wildlife in Pt. I. Area Land Uses have no adverse impacts on wildlife.	
w/o pres or current	with	
0	8	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Presence/evidence of use by animal species w/specific hydrologic requirements is consistent w/expected expected hydrologic conditions for TOS. Existing water quality data indicates slight deviation from norm, but not expected to cause more than minimal effects.	
w/o pres or current	with	
0	8	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Minimal cover by invasive/exotic plant species . Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.7667

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas
Area Size (ac) = 2.56259964714
FL= delta x acres = N/A

Delta = [with-current]:
0.7667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.5

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.5111
FG = RFG x acres = 1.31 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-01W-09-641	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 3.6293
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected by stream to other wetlands				
Assessment Area Description: This is a 3.63-acre herbaceous marsh.				
Significant Nearby Features: None		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-01W-09-641
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Wildlife access to/from AA is not limited by distance or barriers.	
w/o pres or current	with	
0	8	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	8	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.7667

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas	
Area Size (ac) =	3.62927189974
FL= delta x acres =	N/A

Delta = [with-current]:
0.7667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.25

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.6133
FG = RFG x acres =	2.23 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-01W-12-641	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 1.5661
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected by stream to other wetlands				
Assessment Area Description: This is a 1.57-acre herbaceous marsh.				
Significant Nearby Features: None		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-01W-12-641
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Wildlife access to/from AA is not limited by distance or barriers.	
w/o pres or current	with	
0	8	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	7	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.7333

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas	
Area Size (ac) =	1.56605515081
FL= delta x acres =	N/A

Delta = [with-current]:
0.7333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.25

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.5867
FG = RFG x acres =	0.92 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-01W-16-641	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 4.1138
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected by stream to other wetlands				
Assessment Area Description: This is a 4.11-acre herbaceous marsh.				
Significant Nearby Features: Near CSA		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-01W-16-641
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Area Land Uses have minimal adverse impacts on wildlife.	
w/o pres or current	with	
0	8	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	7	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.7333

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas	
Area Size (ac) =	4.11375239005
FL= delta x acres =	N/A

Delta = [with-current]:
0.7333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.25

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.5867
FG = RFG x acres =	2.41 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-01W-18-641	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 14.8000
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected by stream to other wetlands				
Assessment Area Description: This is a 14.80-acre herbaceous marsh.				
Significant Nearby Features: Near CSA		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-01W-18-641
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Wildlife access to/from AA is not limited by distance or barriers.	
w/o pres or current	with	
0	8	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	7	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.7333

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas	
Area Size (ac) =	14.8
FL= delta x acres =	N/A

Delta = [with-current]:
0.7333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.25

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.5867
FG = RFG x acres =	8.68 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: R-01W-20-641	
FLUCCs Code: 641		Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 21.8031
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected by stream to other wetlands					
Assessment Area Description: This is a 21.81-acre herbaceous marsh.					
Significant Nearby Features: None			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A					
Additional relevant factors: None					
Assessment conducted by: SCP				Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-01W-20-641
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Wildlife access to/from AA is not limited by distance or barriers.	
w/o pres or current	with	
0	8	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	7	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.7333

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas	
Area Size (ac) =	21.8030974242
FL= delta x acres =	N/A

Delta = [with-current]:
0.7333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.25

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.5867
FG = RFG x acres =	12.79 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: R-01W-20-643	
FLUCCs Code: 643		Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 13.5107
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A			
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected by stream to other wetlands					
Assessment Area Description: This is a 13.51-acre wet prairie.					
Significant Nearby Features: None			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A					
Additional relevant factors: None					
Assessment conducted by: SCP				Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-01W-20-643
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Wildlife access to/from AA is not limited by distance or barriers.	
w/o pres or current	with	
0	8	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	7	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.7333

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas	
Area Size (ac) =	13.5106572292
FL= delta x acres =	N/A

Delta = [with-current]:
0.7333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.5

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.4889
FG = RFG x acres =	6.61 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-01W-21-641	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 3.5198
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Within a wide reclaimed native habitat connection between Brushy Creek and Lettis Creek.				
Assessment Area Description: This is a 3.52-acre reclaimed herbaceous marsh that abuts the preservation area.				
Significant Nearby Features: Abus the preservation area near large enhancement project.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 08-Jun-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-01W-21-641
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA optimal for most but not all species of wildlife in Pt. 1. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Wildlife access to/from AA is partially limited by distance or barriers.	
w/o pres or current	with	
0	7	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Presence/evidence of use by animal species w/specific hydrologic requirements is less than expected/more generalized requirements. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).	
w/o pres or current	with	
0	7	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Minimal cover by invasive/exotic plant species. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.7000

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas	
Area Size (ac) =	3.51984243071
FL= delta x acres =	N/A

Delta = [with-current]:
0.7000

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.25

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.5600
FG = RFG x acres =	1.97 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-01W-34-641	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 0.2029
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Within a large block of reclaimed native habitat and within 200' of a reclaimed tributary to Brushy Creek.				
Assessment Area Description: This is a 0.20-acre reclaimed herbaceous marsh.				
Significant Nearby Features: Reclaimed tributary to Brusy Creek.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-01W-34-641
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA optimal for most but not all species of wildlife in Pt. 1. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Wildlife access to/from AA is not limited by distance or barriers.	
w/o pres or current	with	
0	8	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	7	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.7333

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas
Area Size (ac) = 0.20292369325
FL= delta x acres = N/A

Delta = [with-current]:
0.7333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.25

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.5867
FG = RFG x acres = 0.12 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: R-01W-44-641	
FLUCCs Code: 641		Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 3.5439
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected by stream to other wetlands					
Assessment Area Description: This is a 3.54-acre herbaceous marsh.					
Significant Nearby Features: No Mine Area			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A					
Additional relevant factors: None					
Assessment conducted by: SCP				Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-01W-44-641
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Wildlife access to/from AA is not limited by distance or barriers.	
w/o pres or current	with	
0	8	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	7	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.7333

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas
Area Size (ac) = 3.54389787851
FL= delta x acres = N/A

Delta = [with-current]:
0.7333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.25

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.5867
FG = RFG x acres = 2.08 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-01W-50-641	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 7.8600
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Within a large block of reclaimed habitat between two portions of the preservation area.				
Assessment Area Description: This is a 7.87-acre reclaimed herbaceous marsh.				
Significant Nearby Features: Within a large block of native reclaimed habitat.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-01W-50-641
Impact or Mitigation Mitigation	Assessment conducted by:	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation:	
w/o pres or current	with	
0	8	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation:	
w/o pres or current	with	
0	7	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation:	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.7333

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas	
Area Size (ac) =	7.86
FL= delta x acres =	N/A

Delta = [with-current]:
0.7333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.25

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.5867
FG = RFG x acres =	4.61 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-01W-54-613	
FLUCCs Code: 613	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 4.0396
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected by stream to other wetlands				
Assessment Area Description: This is a 4.04-acre swamp.				
Significant Nearby Features: Flows into No Mine area		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-01W-54-613
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Wildlife access to/from AA is not limited by distance or barriers.	
w/o pres or current	with	
0	8	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	7	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.7333

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas
Area Size (ac) = 4.03961275396
FL= delta x acres = N/A

Delta = [with-current]:
0.7333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.5

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.4889
FG = RFG x acres = 1.97 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-01W-56-641	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 3.7121
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by ~150' of native reclaimed habitat and approximately 300' of the restored/enhanced channel of Lettis Creek.				
Assessment Area Description: This is a 3.71-acre reclaimed herbaceous marsh.				
Significant Nearby Features: Approximately 150' from the enhanced Lettis Creek corridor.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-01W-56-641
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Wildlife access to/from AA is not limited by distance or barriers.	
w/o pres or current	with	
0	7	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	7	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.7000

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas	
Area Size (ac) =	3.7121
FL= delta x acres =	N/A

Delta = [with-current]:
0.7000

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.25

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.5600
FG = RFG x acres =	2.08 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-02W-02-641	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 6.8897
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Part of large block of reclaimed native habitat and within ~150' of large headwater wetland/preserve.				
Assessment Area Description: This is a 6.90-acre reclaimed herbaceous marsh.				
Significant Nearby Features: Within ~150' of the preservation area and a large headwater marsh.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-02W-02-641
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Area Land Uses have minimal adverse impacts on wildlife.	
w/o pres or current	with	
0	6	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	6	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.6333

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas
Area Size (ac) = 6.88973737727
FL= delta x acres = N/A

Delta = [with-current]:
0.6333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.25

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.5067
FG = RFG x acres = 3.49 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: R-02W-04-630	
FLUCCs Code: 630		Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 3.0170
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A			
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected by stream to other wetlands					
Assessment Area Description: This is a 3.02-acre hardwood swamp.					
Significant Nearby Features: No Mine Area			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A					
Additional relevant factors: None					
Assessment conducted by: SCP				Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-02W-04-630
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Wildlife access to/from AA is partially limited by distance or barriers.	
w/o pres or current	with	
0	7	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	7	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.7000

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas	
Area Size (ac) =	3.01703105627
FL= delta x acres =	N/A

Delta = [with-current]:
0.7000

If mitigation	
Time lag (t-factor) =	1
Risk factor =	1.5

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.4667
FG = RFG x acres =	1.41 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-02W-10-641	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 1.6693
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected by stream to other wetlands				
Assessment Area Description: This is a 1.67-acre herbaceous marsh.				
Significant Nearby Features: None		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-02W-10-641
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Area Land Uses have significant adverse impacts on wildlife.	
w/o pres or current	with	
0	6	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	6	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.6333

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas
Area Size (ac) = 1.66933235654
FL= delta x acres = N/A

Delta = [with-current]:
0.6333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.25

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.5067
FG = RFG x acres = 0.85 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-02W-14-641	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 5.3084
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Part of a large block of reclaimed native habitat and within ~350' of a preserved tributary to Brushy Creek.				
Assessment Area Description: This is a 5.31-acre reclaimed herbaceous marsh.				
Significant Nearby Features: Within ~300' of the preservation area and a Brushy Creek tributary.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-02W-14-641
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Area Land Uses have minimal adverse impacts on wildlife.	
w/o pres or current	with	
0	7	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	7	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.7000

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas
Area Size (ac) = 5.30842816304
FL= delta x acres = N/A

Delta = [with-current]:
0.7000

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.25

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.5600
FG = RFG x acres = 2.97 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-02W-16-641	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 1.6364
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class III	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Part of a large block of reclaimed habitat and located between a reclaimed tributary to Brushy Creek and the preservation area.				
Assessment Area Description: This is a 1.64-acre reclaimed herbaceous marsh.				
Significant Nearby Features: Approximately 200' from preservation area and 150' from reclaimed Brushy Creek tributary.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SMG, DES			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-02W-16-641
Impact or Mitigation Mitigation	Assessment conducted by: SMG, DES	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA.	
w/o pres or current	with	
0	7	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	7	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.7000

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas	
Area Size (ac) =	1.63638008934
FL= delta x acres =	N/A

Delta = [with-current]:
0.7000

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.25

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.5600
FG = RFG x acres =	0.92 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-02W-18-630	
FLUCCs Code: 630	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 1.6061
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected by stream to other wetlands				
Assessment Area Description: This is a 1.61-acre forested wetland.				
Significant Nearby Features: None		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-02W-18-630
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA.	
w/o pres or current	with	
0	6	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	6	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.6333

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas
Area Size (ac) = 1.60605607732
FL= delta x acres = N/A

Delta = [with-current]:
0.6333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.5

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.4222
FG = RFG x acres = 0.68 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: R-02W-22-641	
FLUCCs Code: 641		Further Classification: N/A		Impact or Mitigation Site? Mitigation	
				Assessment Area Size (ac): 5.3834	
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class		Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A	
<p>Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands</p> <p>Part of a large block of reclaimed habitat and located between a reclaimed tributary to Brushy Creek and the preservation area.</p>					
<p>Assessment Area Description:</p> <p>This is a 5.38-acre reclaimed herbaceous marsh.</p>					
<p>Significant Nearby Features:</p> <p>Approximately 200' from preservation area and 150' from reclaimed Brushy Creek tributary.</p>			<p>Uniqueness (considering the relative rarity in relation to the regional landscape.)</p> <p>None</p>		
<p>Functions:</p> <p>Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.</p>			<p>Mitigation for previous permit/other historic use:</p> <p>None</p>		
<p>Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found)</p> <p>Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge</p>			<p>Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area):</p> <p>Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)</p>		
<p>Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.)</p> <p>N/A</p>					
<p>Additional relevant factors:</p> <p>None</p>					
<p>Assessment conducted by:</p> <p>SCP</p>				<p>Assessment date(s):</p> <p>15-Jan-2009</p>	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-02W-22-641
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA.	
w/o pres or current	with	
0	7	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	7	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.7000

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas	
Area Size (ac) =	5.383378954
FL= delta x acres =	N/A

Delta = [with-current]:
0.7000

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.25

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.5600
FG = RFG x acres =	3.01 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: R-03E-02-617a	
FLUCCs Code: 617		Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 7.0227
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class III	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Part of large, connected wetland complex					
Assessment Area Description: This is a 7.02-acre swamp.					
Significant Nearby Features: Near CSA			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A					
Additional relevant factors: None					
Assessment conducted by: SMG, DES				Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-03E-02-617a
Impact or Mitigation Mitigation	Assessment conducted by: SMG, DES	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA.	
w/o pres or current	with	
0	7	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	7	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.7000

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas
Area Size (ac) = 7.02269163347
FL= delta x acres = N/A

Delta = [with-current]:
0.7000

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.5

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.4667
FG = RFG x acres = 3.28 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-03E-02-617b	
FLUCCs Code: 617	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 5.9094
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Part of large wetland complex				
Assessment Area Description: This is a 5.91-acre swamp.				
Significant Nearby Features: Near CSA		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-03E-02-617b
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA.	
w/o pres or current	with	
0	7	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen.	
w/o pres or current	with	
0	7	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.7000

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas
Area Size (ac) = 5.90938971607
FL= delta x acres = N/A

Delta = [with-current]:
0.7000

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.5

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.4667
FG = RFG x acres = 2.76 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: R-03E-02-626	
FLUCCs Code: 626		Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 15.2924
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A			
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Part of large wetland complex					
Assessment Area Description: This is a 15.29-acre forested wetland.					
Significant Nearby Features: None			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A					
Additional relevant factors: None					
Assessment conducted by: SCP				Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-03E-02-626
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA.	
w/o pres or current	with	
0	7	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen.	
w/o pres or current	with	
0	8	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.7333

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas	
Area Size (ac) =	15.2924177494
FL= delta x acres =	N/A

Delta = [with-current]:
0.7333

If mitigation	
Time lag (t-factor) =	1
Risk factor =	1.5

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.4889
FG = RFG x acres =	7.48 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-03E-02-630a	
FLUCCs Code: 630	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 6.8353
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Part of large wetland complex				
Assessment Area Description: This is a 6.84-acre swamp.				
Significant Nearby Features: Near CSA		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-03E-02-630a
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA.	
w/o pres or current	with	
0	7	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen.	
w/o pres or current	with	
0	6	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.6667

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas
Area Size (ac) = 6.83533439501
FL= delta x acres = N/A

Delta = [with-current]:
0.6667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.5

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.4444
FG = RFG x acres = 3.04 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-03E-02-630b	
FLUCCs Code: 630	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 17.6773
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Part of large wetland complex				
Assessment Area Description: This is a 17.7-acre swamp.				
Significant Nearby Features: Near CSA		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-03E-02-630b
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA.	
w/o pres or current	with	
0	6	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen.	
w/o pres or current	with	
0	7	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.6667

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas
Area Size (ac) = 17.6772601783
FL= delta x acres = N/A

Delta = [with-current]:
0.6667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.5

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.4444
FG = RFG x acres = 7.86 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-03E-02-641	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 4.1345
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Part of large wetland complex				
Assessment Area Description: This is a 4.14-acre herbaceous marsh.				
Significant Nearby Features: Near CSA		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-03E-02-641
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA.	
w/o pres or current	with	
0	7	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen.	
w/o pres or current	with	
0	6	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.6667

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas
Area Size (ac) = 4.13454229317
FL= delta x acres = N/A

Delta = [with-current]:
0.6667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.25

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.5333
FG = RFG x acres = 2.21 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-03E-02-641a	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 4.1447
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Part of large wetland complex				
Assessment Area Description: This is a 4.15-acre herbaceous marsh.				
Significant Nearby Features: Near CSA		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-03E-02-641a
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA.	
w/o pres or current	with	
0	7	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen.	
w/o pres or current	with	
0	8	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.7333

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas
Area Size (ac) = 4.14471071442
FL= delta x acres = N/A

Delta = [with-current]:
0.7333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.25

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.5867
FG = RFG x acres = 2.43 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-03E-02-641b	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 149.0735
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Part of large wetland complex				
Assessment Area Description: This is a 149.07-acre herbaceous marsh.				
Significant Nearby Features: Near CSA		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-03E-02-641b
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA.	
w/o pres or current	with	
0	6	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen.	
w/o pres or current	with	
0	7	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.6667

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas	
Area Size (ac) =	149.073494408
FL= delta x acres =	N/A

Delta = [with-current]:
0.6667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.25

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.5333
FG = RFG x acres =	79.51 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-03E-02-643	
FLUCCs Code: 643	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 21.6728
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Part of larger wetland group with off-site hydrological connections				
Assessment Area Description: This is a 21.68-acre wet prairie.				
Significant Nearby Features: Troublesome Creek		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 08-Jun-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-03E-02-643
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Wildlife access to/from AA is partially limited by distance or barriers.	
w/o pres or current	with	
0	7	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Presence/evidence of use by animal species w/specific hydrologic requirements is less than expected/more generalized requirements. Plant community composition is not characterized by species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).	
w/o pres or current	with	
0	8	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Minimal cover by invasive/exotic plant species. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.7333

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas	
Area Size (ac) =	21.6728449998
FL= delta x acres =	N/A

Delta = [with-current]:
0.7333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.5

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.4889
FG = RFG x acres =	10.60 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-03E-02-643a	
FLUCCs Code: 643	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 2.0084
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Part of large wetland complex				
Assessment Area Description: This is a 2.01-acre wet prairie.				
Significant Nearby Features: Near CSA		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-03E-02-643a
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA.	
w/o pres or current	with	
0	7	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen.	
w/o pres or current	with	
0	8	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.7333

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas	
Area Size (ac) =	2.00844995217
FL= delta x acres =	N/A

Delta = [with-current]:
0.7333

If mitigation	
Time lag (t-factor) =	1
Risk factor =	1.5

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.4889
FG = RFG x acres =	0.98 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: R-03E-02-643b	
FLUCCs Code: 643		Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 7.8487
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Part of large wetland complex					
Assessment Area Description: This is a 7.85-acre wet prairie.					
Significant Nearby Features: Near CSA			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A					
Additional relevant factors: None					
Assessment conducted by: SCP				Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-03E-02-643b
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA.	
w/o pres or current	with	
0	7	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen.	
w/o pres or current	with	
0	8	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.7333

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas
Area Size (ac) = 7.84873923812
FL= delta x acres = N/A

Delta = [with-current]:
0.7333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.5

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.4889
FG = RFG x acres = 3.84 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: R-03W-02-641	
FLUCCs Code: 641		Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 4.3387
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by ~150' of native reclaimed uplands and located along the project boundary.					
Assessment Area Description: This is a 4.34-acre reclaimed herbaceous marsh.					
Significant Nearby Features: Abuts the northern and western property boundary.			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A					
Additional relevant factors: None					
Assessment conducted by: SCP				Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-03W-02-641
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Area Land Uses have minimal adverse impacts on wildlife.	
w/o pres or current	with	
0	6	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	6	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	6	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.6000

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas
Area Size (ac) = 4.33867207697
FL= delta x acres = N/A

Delta = [with-current]:
0.6000

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.25

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.4800
FG = RFG x acres = 2.08 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-03W-04-641	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 41.8768
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Headwater marsh that discharges through a reclaimed tributary to Brushy Creek.				
Assessment Area Description: This is a 41.88-acre reclaimed herbaceous marsh that serves as a headwater to a Brushy Creek tributary.				
Significant Nearby Features: Part of a large block of habitat that connects upper Brushy Creek to lower Brushy Creek and ~100' from CSA pasture.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-03W-04-641
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA.	
w/o pres or current	with	
0	6	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	7	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.6667

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas	
Area Size (ac) =	41.8767757563
FL= delta x acres =	N/A

Delta = [with-current]:
0.6667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.25

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.5333
FG = RFG x acres =	22.33 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-03W-06-641	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 7.5476
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by ~150' of native reclaimed uplands and less than 200' from Brushy Creek floodplain wetland.				
Assessment Area Description: This is a 7.55-acre reclaimed herbaceous marsh.				
Significant Nearby Features: Within 200' of Brushy Creek floodplain wetland that contains the main stream channel.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-03W-06-641
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:		
	With mitigation: Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Area Land Uses have minimal adverse impacts on wildlife.		
w/o pres or current	with		
0	6		

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:		
	With mitigation: Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.		
w/o pres or current	with		
0	6		

.500(7)(c) Community Structure	Without mitigation:		
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.		
w/o pres or current	with		
0	6		

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.6000

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas
Area Size (ac) = 7.54757619114
FL= delta x acres = N/A

Delta = [with-current]:
0.6000

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.25

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.4800
FG = RFG x acres = 3.62 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-03W-08-641	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 2.8896
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by ~150' of native reclaimed uplands and less than 200' from Brushy Creek floodplain wetland.				
Assessment Area Description: This is a 2.89-acre reclaimed herbaceous marsh.				
Significant Nearby Features: Within 200' of Brushy Creek floodplain wetland that contains the main stream channel.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-03W-08-641
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Area Land Uses have minimal adverse impacts on wildlife.	
w/o pres or current	with	
0	6	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	7	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.6667

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas	
Area Size (ac) =	2.88961864863
FL= delta x acres =	N/A

Delta = [with-current]:
0.6667

If mitigation	
Time lag (t-factor) =	1
Risk factor =	1.25

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.5333
FG = RFG x acres =	1.54 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-03W-12-641	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 1.4537
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected by stream to other wetlands				
Assessment Area Description: This is a 1.45-acre herbaceous marsh.				
Significant Nearby Features: Near CSA		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-03W-12-641
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA.	
w/o pres or current	with	
0	6	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	7	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.6667

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas	
Area Size (ac) =	1.4536727167
FL= delta x acres =	N/A

Delta = [with-current]:
0.6667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.25

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.5333
FG = RFG x acres =	0.78 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: R-03W-14-641	
FLUCCs Code: 641		Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 6.0995
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by ~150' of native reclaimed uplands and located along the project boundary.					
Assessment Area Description: This is a 6.10-acre reclaimed herbaceous marsh.					
Significant Nearby Features: Abuts the western project boundary.			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A					
Additional relevant factors: None					
Assessment conducted by: SCP				Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-03W-14-641
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Area Land Uses have minimal adverse impacts on wildlife.	
w/o pres or current	with	
0	6	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	7	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.6667

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas	
Area Size (ac) =	6.09953825943
FL= delta x acres =	N/A

Delta = [with-current]:
0.6667

If mitigation	
Time lag (t-factor) =	1
Risk factor =	1.25

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.5333
FG = RFG x acres =	3.25 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-03W-18-641	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 1.8679
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Part of a large block of reclaimed native habitat.				
Assessment Area Description: This is a 1.87-acre reclaimed herbaceous marsh.				
Significant Nearby Features: Brushy Creek		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-03W-18-641
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:			
	With mitigation: Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Area Land Uses have minimal adverse impacts on wildlife.			
w/o pres or current	with			
0	7			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:			
	With mitigation: Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.			
w/o pres or current	with			
0	7			

.500(7)(c) Community Structure	Without mitigation:			
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.			
w/o pres or current	with			
0	7			

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.7000

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas
Area Size (ac) = 1.86786604135
FL= delta x acres = N/A

Delta = [with-current]:
0.7000

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.25

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.5600
FG = RFG x acres = 1.05 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-03W-20-641	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 4.8830
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected by stream to other wetlands				
Assessment Area Description: This is a 4.89-acre herbaceous marsh.				
Significant Nearby Features: Near CSA		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-03W-20-641
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA.	
w/o pres or current	with	
0	6	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	7	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.6667

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas	
Area Size (ac) =	4.88303849227
FL= delta x acres =	N/A

Delta = [with-current]:
0.6667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.25

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.5333
FG = RFG x acres =	2.60 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-03W-22-641	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 8.0199
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Part of a headwater system within a large block of reclaimed native habitat that discharges to Brushy Creek.				
Assessment Area Description: This is an 8.02-acre reclaimed herbaceous marsh.				
Significant Nearby Features: Discharges to Brushy Creek.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-03W-22-641
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:			
	With mitigation: Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Area Land Uses have minimal adverse impacts on wildlife.			
w/o pres or current	with			
0	7			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:			
	With mitigation: Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.			
w/o pres or current	with			
0	7			

.500(7)(c) Community Structure	Without mitigation:			
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.			
w/o pres or current	with			
0	7			

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.7000

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas
Area Size (ac) = 8.01986411999
FL= delta x acres = N/A

Delta = [with-current]:
0.7000

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.25

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.5600
FG = RFG x acres = 4.49 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-03W-24-641	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 0.9994
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected by stream to other wetlands				
Assessment Area Description: This is a 1-acre herbaceous marsh.				
Significant Nearby Features: None		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-03W-24-641
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Area Land Uses have minimal adverse impacts on wildlife.	
w/o pres or current	with	
0	7	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	7	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.7000

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas
Area Size (ac) = 0.99940316797
FL= delta x acres = N/A

Delta = [with-current]:
0.7000

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.25

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.5600
FG = RFG x acres = 0.56 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-03W-28-641	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 4.2163
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Part of a large block of reclaimed and preserved native habitat that connects Brushy and Lettis Creeks. Within 200' of Brushy Creek floodplain wetlands.				
Assessment Area Description: This is a 4.22-acre reclaimed herbaceous marsh.				
Significant Nearby Features: Brushy Creek preservation area is within 200'.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-03W-28-641
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA.	
w/o pres or current	with	
0	7	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	7	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.7000

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas
Area Size (ac) = 4.21630168432
FL= delta x acres = N/A

Delta = [with-current]:
0.7000

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.25

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.5600
FG = RFG x acres = 2.36 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-03W-30-641	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 6.3423
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class III	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected to a large wetland system that flows to Brushy Creek				
Assessment Area Description: This is a 6.34-acre herbaceous marsh.				
Significant Nearby Features: Adjacent to CSA		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SMG, DES			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-03W-30-641
Impact or Mitigation Mitigation	Assessment conducted by: SMG, DES	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Area Land Uses have minimal adverse impacts on wildlife.	
w/o pres or current	with	
0	6	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	6	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.6333

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas	
Area Size (ac) =	6.34233008373
FL= delta x acres =	N/A

Delta = [with-current]:
0.6333

If mitigation	
Time lag (t-factor) =	1
Risk factor =	1.25

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.5067
FG = RFG x acres =	3.21 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-03W-32-641	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 7.5098
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Part of a large block of reclaimed native habitat and ~150' from headwater to Brushy Creek tributary.				
Assessment Area Description: This is a 7.51-acre reclaimed herbaceous marsh.				
Significant Nearby Features: Part of a large block of reclaimed habitat and ~400' from CSA pasture.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-03W-32-641
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Area Land Uses have minimal adverse impacts on wildlife.	
w/o pres or current	with	
0	6	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	7	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.6667

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas
Area Size (ac) = 7.50975520629
FL= delta x acres = N/A

Delta = [with-current]:
0.6667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.25

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.5333
FG = RFG x acres = 4.01 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-03W-36-641	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 12.2998
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Part of a large block of reclaimed and preserved native habitat that connects Brushy and Lettis Creeks. Within 200' of Brushy Creek floodplain wetlands.				
Assessment Area Description: This is a 12.30-acre reclaimed herbaceous marsh.				
Significant Nearby Features: Brushy Creek preservation area is within 200'.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-03W-36-641
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Area Land Uses have minimal adverse impacts on wildlife.	
w/o pres or current	with	
0	7	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen.	
w/o pres or current	with	
0	8	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.7333

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas	
Area Size (ac) =	12.2998033815
FL= delta x acres =	N/A

Delta = [with-current]:
0.7333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.25

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.5867
FG = RFG x acres =	7.22 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: R-03W-38-617	
FLUCCs Code: 617		Further Classification: N/A		Impact or Mitigation Site? Mitigation	
				Assessment Area Size (ac): 2.3389	
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class		Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A	
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected by stream to other wetlands					
Assessment Area Description: This is a 2.34-acre forested wetland.					
Significant Nearby Features: Adjacent to CSA			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A					
Additional relevant factors: None					
Assessment conducted by: SCP				Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-03W-38-617
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Area Land Uses have minimal adverse impacts on wildlife.	
w/o pres or current	with	
0	6	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen.	
w/o pres or current	with	
0	7	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	6	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.6333

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas	
Area Size (ac) =	2.33890314654
FL= delta x acres =	N/A

Delta = [with-current]:
0.6333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.5

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.4222
FG = RFG x acres =	0.99 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: R-03W-42-641	
FLUCCs Code: 641		Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 0.7571
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected by stream to other wetlands					
Assessment Area Description: This is a 0.76-acre herbaceous marsh.					
Significant Nearby Features: No Mine Area			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A					
Additional relevant factors: None					
Assessment conducted by: SCP				Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-03W-42-641
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA.	
w/o pres or current	with	
0	7	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	6	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.6667

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas
Area Size (ac) = 0.75709280675
FL= delta x acres = N/A

Delta = [with-current]:
0.6667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.25

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.5333
FG = RFG x acres = 0.40 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: R-03W-48-611	
FLUCCs Code: 611		Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 3.4499
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected by stream to other wetlands					
Assessment Area Description: This is a 3.45-acre forested wetland.					
Significant Nearby Features: Adjacent to CSA			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A					
Additional relevant factors: None					
Assessment conducted by: SCP				Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-03W-48-611
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Area Land Uses have minimal adverse impacts on wildlife.	
w/o pres or current	with	
0	6	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen.	
w/o pres or current	with	
0	7	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.6667

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas
Area Size (ac) = 3.44988641437
FL= delta x acres = N/A

Delta = [with-current]:
0.6667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.75

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.3810
FG = RFG x acres = 1.31 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-03W-50-641	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 1.7259
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Within a large block of reclaimed habitat between a reclaimed tributary and the Brushy Creek preservation area.				
Assessment Area Description: This is a 1.73-acre reclaimed herbaceous marsh.				
Significant Nearby Features: Brushy Creek preservation area to the East and North.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-03W-50-641
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Area Land Uses have minimal adverse impacts on wildlife.	
w/o pres or current	with	
0	7	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen.	
w/o pres or current	with	
0	8	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.7333

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas
Area Size (ac) = 1.72587732727
FL= delta x acres = N/A

Delta = [with-current]:
0.7333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.25

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.5867
FG = RFG x acres = 1.01 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-04E-06-641	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 26.0703
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Part of off-site large wetland complex, also connected to on-site wetlands				
Assessment Area Description: This is a 26.07-acre herbaceous marsh.				
Significant Nearby Features: Near CSA		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-04E-06-641
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Area Land Uses have significant adverse impacts on wildlife.	
w/o pres or current	with	
0	6	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	6	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.6333

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas
Area Size (ac) = 26.0703369436
FL= delta x acres = N/A

Delta = [with-current]:
0.6333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.25

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.5067
FG = RFG x acres = 13.21 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: R-04E-08-641	
FLUCCs Code: 641		Further Classification: N/A		Impact or Mitigation Site? Mitigation	
Assessment Area Size (ac): 4.1485		Basin/Watershed Name/Number:		Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A	
Affected Waterbody (Class): Class		Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by 150' of reclaimed native uplands with pasture beyond. Approximately 500' from wetland that discharges to Troublesome Creek.			
Assessment Area Description: This is a 4.5-acre herbaceous marsh.					
Significant Nearby Features: Troublesome Creek headwater wetland.			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A					
Additional relevant factors: None					
Assessment conducted by: SCP				Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-04E-08-641
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Area Land Uses have significant adverse impacts on wildlife.	
w/o pres or current	with	
0	6	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	6	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.6333

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas	
Area Size (ac) =	4.14853191875
FL= delta x acres =	N/A

Delta = [with-current]:
0.6333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.25

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.5067
FG = RFG x acres =	2.10 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-04E-12-641	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 6.2017
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by ~150' of reclaimed native uplands and within 300' of the Troublesome Creek headwaters.				
Assessment Area Description: This is a 6.20-acre reclaimed herbaceous marsh.				
Significant Nearby Features: Approximately 300' West of Troublesome Creek headwater wetland.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-04E-12-641
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA.	
w/o pres or current	with	
0	6	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen.	
w/o pres or current	with	
0	7	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.6667

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas
Area Size (ac) = 6.20169869469
FL= delta x acres = N/A

Delta = [with-current]:
0.6667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.25

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.5333
FG = RFG x acres = 3.31 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-04E-18-641	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 4.2931
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Ecologically connected through native reclaimed habitat to headwater swamp and natural reclaimed stream.				
Assessment Area Description: This is a 1.96-acre reclaimed herbaceous marsh.				
Significant Nearby Features: Approximately 300' West of Troublesome Creek headwater wetland.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Wading bird forage, amphibian breeding, small mammal refuge/forage.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SMG			Assessment date(s): 24-Jun-2016	

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-04E-20-641	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 12.6789
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by 150' of reclaimed native uplands with pasture beyond. Approximately 500' from wetland that discharges to Troublesome Creek.				
Assessment Area Description: This is a 12.68-acre reclaimed herbaceous marsh.				
Significant Nearby Features: Troublesome Creek headwater wetland.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-04E-20-641
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Area Land Uses have significant adverse impacts on wildlife.	
w/o pres or current	with	
0	6	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen.	
w/o pres or current	with	
0	7	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.6667

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas	
Area Size (ac) =	12.678924831
FL= delta x acres =	N/A

Delta = [with-current]:
0.6667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.25

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.5333
FG = RFG x acres =	6.76 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-04E-22-641	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 6.5107
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by 150' of reclaimed native uplands with pasture beyond. Approximately 500' from wetland that discharges to Troublesome Creek.				
Assessment Area Description: This is a 6.51-acre reclaimed herbaceous marsh.				
Significant Nearby Features: Troublesome Creek headwater wetland.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-04E-22-641
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Area Land Uses have significant adverse impacts on wildlife.	
w/o pres or current	with	
0	6	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	6	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.6333

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas
Area Size (ac) = 6.51074615423
FL= delta x acres = N/A

Delta = [with-current]:
0.6333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.25

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.5067
FG = RFG x acres = 3.30 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-04E-24-641	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 15.7941
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Part of off-site large wetland complex				
Assessment Area Description: This is a 15.8-acre herbaceous marsh.				
Significant Nearby Features: None		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-04E-24-641
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Area Land Uses have significant adverse impacts on wildlife.	
w/o pres or current	with	
0	6	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	6	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.6333

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas
Area Size (ac) = 15.7941164566
FL= delta x acres = N/A

Delta = [with-current]:
0.6333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.25

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.5067
FG = RFG x acres = 8.00 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-05-04-641	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 8.8128
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected by stream to other wetlands				
Assessment Area Description: This is an 8.81-acre herbaceous marsh.				
Significant Nearby Features: Near 663		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-05-04-641
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Area Land Uses have significant adverse impacts on wildlife.	
w/o pres or current	with	
0	6	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	6	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.6333

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas	
Area Size (ac) =	8.81283086098
FL= delta x acres =	N/A

Delta = [with-current]:
0.6333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.25

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.5067
FG = RFG x acres =	4.47 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-05-04-643	
FLUCCs Code: 643	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 7.6382
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected by stream to other wetlands				
Assessment Area Description: This is a 7.64-acre wet prairie.				
Significant Nearby Features: Near 663		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-05-04-643
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Area Land Uses have significant adverse impacts on wildlife.	
w/o pres or current	with	
0	6	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	6	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.6333

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas
Area Size (ac) = 7.63824937754
FL= delta x acres = N/A

Delta = [with-current]:
0.6333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.5

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.4222
FG = RFG x acres = 3.23 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-05-06-641	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 1.9613
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Ecologically connected through native reclaimed habitat to headwater swamp and natural reclaimed stream.				
Assessment Area Description: This is a 4.29-acre herbaceous marsh.				
Significant Nearby Features: Near 663		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Wading bird forage, amphibian breeding, small mammal refuge/forage.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SMG			Assessment date(s): 24-Jun-2016	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-05-06-641
Impact or Mitigation Mitigation	Assessment conducted by:	Assessment Date: 24-Jun-2016

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation:	
w/o pres or current	with	
0	6	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation:	
w/o pres or current	with	
0	6	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation:	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.6333

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas	
Area Size (ac) =	1.9613
FL= delta x acres =	N/A

Delta = [with-current]:
0.6333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.25

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.5067
FG = RFG x acres =	0.99 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-06W-04-630	
FLUCCs Code: 630	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 4.4421
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected by stream to other wetlands				
Assessment Area Description: This is a 4.44-acre swamp.				
Significant Nearby Features: No Mine Area		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-06W-04-630
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Wildlife access to/from AA is partially limited by distance or barriers.	
w/o pres or current	with	
0	7	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	7	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.7000

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas	
Area Size (ac) =	4.44209996404
FL= delta x acres =	N/A

Delta = [with-current]:
0.7000

If mitigation	
Time lag (t-factor) =	1
Risk factor =	1.5

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.4667
FG = RFG x acres =	2.07 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-06W-08-617	
FLUCCs Code: 617	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 16.5234
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected by stream to other wetlands				
Assessment Area Description: This is a 16.53-acre forested wetland.				
Significant Nearby Features: Flows into No Mine area		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-06W-08-617
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Area Land Uses have minimal adverse impacts on wildlife.	
w/o pres or current	with	
0	7	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	7	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.7000

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas
Area Size (ac) = 16.5233857543
FL= delta x acres = N/A

Delta = [with-current]:
0.7000

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.5

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.4667
FG = RFG x acres = 7.71 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-06W-12-641	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 8.8436
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected by stream to other wetlands				
Assessment Area Description: This is an 8.85-acre herbaceous marsh.				
Significant Nearby Features: Near CSA		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-06W-12-641
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Area Land Uses have minimal adverse impacts on wildlife.
	With mitigation:	
w/o pres or current	with	
0	7	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.
	With mitigation:	
w/o pres or current	with	
0	6	

.500(7)(c) Community Structure	Without mitigation:	Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.
	With mitigation:	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.6667

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas
Area Size (ac) = 8.84358212306
FL= delta x acres = N/A

Delta = [with-current]:
0.6667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.25

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.5333
FG = RFG x acres = 4.72 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: R-06W-14-617	
FLUCCs Code: 617		Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 20.9500
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected by stream to other wetlands					
Assessment Area Description: This is a 20.95-acre forested wetland.					
Significant Nearby Features: Flows into No Mine area			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A					
Additional relevant factors: None					
Assessment conducted by: SCP				Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-06W-14-617
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:			
	With mitigation: Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Area Land Uses have minimal adverse impacts on wildlife.			
w/o pres or current	with			
0	7			

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:			
	With mitigation: Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.			
w/o pres or current	with			
0	7			

.500(7)(c) Community Structure	Without mitigation:			
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.			
w/o pres or current	with			
0	7			

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.7000

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas	
Area Size (ac) =	20.95
FL= delta x acres =	N/A

Delta = [with-current]:
0.7000

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.5

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.4667
FG = RFG x acres =	9.78 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: R-06W-18-617	
FLUCCs Code: 617		Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 2.1539
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected by stream to other wetlands					
Assessment Area Description: This is a 2.15-acre forested wetland.					
Significant Nearby Features: None			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A					
Additional relevant factors: None					
Assessment conducted by: SCP				Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-06W-18-617
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Area Land Uses have minimal adverse impacts on wildlife.	
w/o pres or current	with	
0	7	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	6	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.6667

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas	
Area Size (ac) =	2.15393283291
FL= delta x acres =	N/A

Delta = [with-current]:
0.6667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.5

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.4444
FG = RFG x acres =	0.96 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-06W-22-617	
FLUCCs Code: 617	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 7.5796
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Part of large wetland complex				
Assessment Area Description: This is a 7.58-acre forested wetland.				
Significant Nearby Features: None		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-06W-22-617
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	With mitigation: Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Area Land Uses have minimal adverse impacts on wildlife.
	w/o pres or current <input type="text" value="0"/>	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	With mitigation: Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.
	w/o pres or current <input type="text" value="0"/>	

.500(7)(c) Community Structure	Without mitigation:	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.
	w/o pres or current <input type="text" value="0"/>	

Score = sum of above scores/30 (if uplands, divide by 20)
<input type="text" value="0.0000"/>
<input type="text" value="0.6333"/>

If preservation as mitigation,
Preservation adjustment factor = <input type="text" value="0.0000"/>
Adjusted mitigation delta =

For impact assessment areas
Area Size (ac) = <input type="text" value="7.57961475048"/>
FL= delta x acres = <input type="text" value="N/A"/>

Delta = [with-current]:
<input type="text" value="0.6333"/>

If mitigation
Time lag (t-factor) = <input type="text" value="1"/>
Risk factor = <input type="text" value="1.5"/>

For mitigation assessment areas
RFG = delta/(t-factor x risk) = <input type="text" value="0.4222"/>
FG = RFG x acres = <input type="text" value="3.20 *"/>

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-06W-22-626	
FLUCCs Code: 626	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 26.4755
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Part of large wetland complex				
Assessment Area Description: This is a 26.48-acre forested wetland.				
Significant Nearby Features: Near CSA		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-06W-22-626
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA.	
w/o pres or current	with	
0	6	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	6	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.6333

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas	
Area Size (ac) =	26.4755183652
FL= delta x acres =	N/A

Delta = [with-current]:
0.6333

If mitigation	
Time lag (t-factor) =	1
Risk factor =	1.5

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.4222
FG = RFG x acres =	11.18 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-06W-22-627	
FLUCCs Code: 627	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 11.0412
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Part of large wetland complex				
Assessment Area Description: This is an 11.04-acre forested wetland.				
Significant Nearby Features: None		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-06W-22-627
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Area Land Uses have significant adverse impacts on wildlife.	
w/o pres or current	with	
0	6	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	6	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.6333

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas
Area Size (ac) = 11.0411609351
FL= delta x acres = N/A

Delta = [with-current]:
0.6333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.5

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.4222
FG = RFG x acres = 4.66 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-06W-22-630	
FLUCCs Code: 630	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 33.7699
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Part of large wetland complex				
Assessment Area Description: This is a 33.77-acre swamp.				
Significant Nearby Features: Near CSA		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-06W-22-630
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Area Land Uses have significant adverse impacts on wildlife.	
w/o pres or current	with	
0	6	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	6	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.6333

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas	
Area Size (ac) =	33.7699380165
FL= delta x acres =	N/A

Delta = [with-current]:
0.6333

If mitigation	
Time lag (t-factor) =	1
Risk factor =	1.5

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.4222
FG = RFG x acres =	14.26 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-06W-24-641	
FLUCCs Code: 617	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 14.1245
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by ~150' of reclaimed native uplands. Less than 200' from large headwater wetland and preserved/enhanced marsh.				
Assessment Area Description: This is a 14.13-acre reclaimed herbaceous marsh.				
Significant Nearby Features: Large preservation/enhancement area ~200' West.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-06W-24-641
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Area Land Uses have significant adverse impacts on wildlife.	
w/o pres or current	with	
0	6	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	6	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.6333

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas
Area Size (ac) = 14.1244770194
FL= delta x acres = N/A

Delta = [with-current]:
0.6333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.5

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.4222
FG = RFG x acres = 5.96 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-06W-26-617	
FLUCCs Code: 617	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 36.7914
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Forested wetland				
Assessment Area Description: This is a 36.8-acre herbaceous marsh.				
Significant Nearby Features: None		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-06W-26-617
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	With mitigation: Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Area Land Uses have significant adverse impacts on wildlife.
	w/o pres or current <input type="text" value="0"/>	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	With mitigation: Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.
	w/o pres or current <input type="text" value="0"/>	

.500(7)(c) Community Structure	Without mitigation:	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.
	w/o pres or current <input type="text" value="0"/>	

Score = sum of above scores/30 (if uplands, divide by 20)
<input type="text" value="0.0000"/>
<input type="text" value="0.6333"/>

If preservation as mitigation,
Preservation adjustment factor = <input type="text" value="0.0000"/>
Adjusted mitigation delta =

For impact assessment areas
Area Size (ac) = <input type="text" value="36.7913650731"/>
FL= delta x acres = <input type="text" value="N/A"/>

Delta = [with-current]:
<input type="text" value="0.6333"/>

If mitigation
Time lag (t-factor) = <input type="text" value="1"/>
Risk factor = <input type="text" value="1.5"/>

For mitigation assessment areas
RFG = delta/(t-factor x risk) = <input type="text" value="0.4222"/>
FG = RFG x acres = <input type="text" value="15.53 *"/>

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-06W-26-641	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 11.9790
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by ~150' of native reclaimed upland habitat with pasture beyond.				
Assessment Area Description: This is an 11.98-acre reclaimed herbaceous marsh.				
Significant Nearby Features: None		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-06W-26-641
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Area Land Uses have minimal adverse impacts on wildlife.	
w/o pres or current	with	
0	7	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	6	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.6667

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas
Area Size (ac) = 11.9789999073
FL= delta x acres = N/A

Delta = [with-current]:
0.6667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.25

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.5333
FG = RFG x acres = 6.39 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-06W-28-641	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 7.5339
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Within a large block of reclaimed native habitat between an enhanced marsh, an enhanced creek and a preserved wetland/creek.				
Assessment Area Description: This is a 7.53-acre reclaimed herbaceous marsh.				
Significant Nearby Features: Large preservation areas several hundred feet to the North and West.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-06W-28-641
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Wildlife access to/from AA is not limited by distance or barriers.	
w/o pres or current	with	
0	8	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	7	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.7333

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas	
Area Size (ac) =	7.53389198
FL= delta x acres =	N/A

Delta = [with-current]:
0.7333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.25

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.5867
FG = RFG x acres =	4.42 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: R-07W-02-630	
FLUCCs Code: 630		Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 2.5600
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected by stream to other wetlands					
Assessment Area Description: This is a 2.56-acre swamp.					
Significant Nearby Features: No Mine Area			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A					
Additional relevant factors: None					
Assessment conducted by: SCP				Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-07W-02-630
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA optimal for most but not all species of wildlife in Pt. 1. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Wildlife access to/from AA is not limited by distance or barriers.	
w/o pres or current	with	
0	8	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	7	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.7333

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas	
Area Size (ac) =	2.55995200258
FL= delta x acres =	N/A

Delta = [with-current]:
0.7333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.5

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.4889
FG = RFG x acres =	1.25 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: R-07W-04-641	
FLUCCs Code: 641		Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 7.6916
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected by stream to other wetlands					
Assessment Area Description: This is a 7.7-acre herbaceous marsh.					
Significant Nearby Features: No Mine Area			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A					
Additional relevant factors: None					
Assessment conducted by: SCP				Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-07W-04-641
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Wildlife access to/from AA is not limited by distance or barriers.	
w/o pres or current	with	
0	8	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	7	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.7333

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas	
Area Size (ac) =	7.69155022888
FL= delta x acres =	N/A

Delta = [with-current]:
0.7333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.25

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.5867
FG = RFG x acres =	4.51 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-07W-06-616	
FLUCCs Code: 616	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 15.5240
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Part of large wetland complex				
Assessment Area Description: This is a 15.53-acre forested wetland.				
Significant Nearby Features: No Mine Area		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-07W-06-616
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA.	
w/o pres or current	with	
0	7	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	7	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.7000

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas	
Area Size (ac) =	15.5240040353
FL= delta x acres =	N/A

Delta = [with-current]:
0.7000

If mitigation	
Time lag (t-factor) =	1
Risk factor =	1.5

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.4667
FG = RFG x acres =	7.24 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-07W-06-617	
FLUCCs Code: 617	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 126.8455
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Part of large wetland complex				
Assessment Area Description: This is a 126.8-acre forested wetland.				
Significant Nearby Features: Flows into No Mine area		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-07W-06-617
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA.	
w/o pres or current	with	
0	7	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	7	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.7000

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas
Area Size (ac) = 126.845507505
FL= delta x acres = N/A

Delta = [with-current]:
0.7000

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.5

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.4667
FG = RFG x acres = 59.19 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: R-07W-10-630	
FLUCCs Code: 630		Further Classification: N/A		Impact or Mitigation Site? Mitigation	
				Assessment Area Size (ac): 0.6687	
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class		Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A	
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Small isolated swamp between the enhanced main channel of Lettis Creek and one of its tributaries. Reclaimed native uplands surround.					
Assessment Area Description: This is a 0.67-acre mixed hardwood/conifer forested wetland.					
Significant Nearby Features: The enhanced channel of Lettis Creek to the West and a tributary to Lettis Creek (no mine) to the South.			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A					
Additional relevant factors: None					
Assessment conducted by: SCP				Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-07W-10-630
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Wildlife access to/from AA is not limited by distance or barriers.	
w/o pres or current	with	
0	8	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	7	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.7333

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas
Area Size (ac) = 0.66870594992
FL= delta x acres = N/A

Delta = [with-current]:
0.7333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.5

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.4889
FG = RFG x acres = 0.33 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: R-07W-14-617	
FLUCCs Code: 617		Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 6.5318
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected by stream to other wetlands					
Assessment Area Description: This is a 6.53-acre forested wetland.					
Significant Nearby Features: None			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A					
Additional relevant factors: None					
Assessment conducted by: SCP				Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-07W-14-617
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Wildlife access to/from AA is not limited by distance or barriers.	
w/o pres or current	with	
0	8	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	7	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.7333

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas	
Area Size (ac) =	6.5318248656
FL= delta x acres =	N/A

Delta = [with-current]:
0.7333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.5

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.4889
FG = RFG x acres =	3.19 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-07W-18-641	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 1.9179
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands This is surrounded (~90%) by a vast area of reclaimed native habitat and abuts a no-mine area (10%) to the South.				
Assessment Area Description: This is a 1.92-acre reclaimed herbaceous marsh.				
Significant Nearby Features: Abuts the Lettis Creek tributary no-mine area to the South.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-07W-18-641
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Wildlife access to/from AA is not limited by distance or barriers.	
w/o pres or current	with	
0	8	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	7	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.7333

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas	
Area Size (ac) =	1.91787035407
FL= delta x acres =	N/A

Delta = [with-current]:
0.7333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.25

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.5867
FG = RFG x acres =	1.13 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-07W-18-643	
FLUCCs Code: 643	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 3.4212
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands This is surrounded (~90%) by a vast area of reclaimed native habitat and abuts a no-mine area (10%) to the South.				
Assessment Area Description: This is a 3.42-acre wet prairie.				
Significant Nearby Features: Abuts the Lettis Creek tributary no-mine area to the South.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-07W-18-643
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Wildlife access to/from AA is not limited by distance or barriers.	
w/o pres or current	with	
0	8	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	7	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.7333

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas	
Area Size (ac) =	3.42118567079
FL= delta x acres =	N/A

Delta = [with-current]:
0.7333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.5

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.4889
FG = RFG x acres =	1.67 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-07W-24-641	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 50.5912
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected by stream to other wetlands				
Assessment Area Description: This is a 50.6-acre herbaceous marsh.				
Significant Nearby Features: No Mine Area		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-07W-24-641
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Discharges from AA provide minimal benefits to downstream areas, which could be altered if quality/quantity were altered.	
w/o pres or current	with	
0	6	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	7	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.6667

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas
Area Size (ac) = 50.5912357663
FL= delta x acres = N/A

Delta = [with-current]:
0.6667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.25

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.5333
FG = RFG x acres = 26.98 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: R-07W-28-641	
FLUCCs Code: 641		Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 0.3885
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A			
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected by stream to other wetlands					
Assessment Area Description: This is a 0.39-acre herbaceous marsh.					
Significant Nearby Features: Lettis Creek			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A					
Additional relevant factors: None					
Assessment conducted by: SCP				Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-07W-28-641
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Discharges from AA provide minimal benefits to downstream areas, which could be altered if quality/quantity were altered.	
w/o pres or current	with	
0	6	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	7	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.6667

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas
Area Size (ac) = 0.38848725181
FL= delta x acres = N/A

Delta = [with-current]:
0.6667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.25

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.5333
FG = RFG x acres = 0.21 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-07W-32-630	
FLUCCs Code: 630	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 9.3611
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected by stream to other wetlands				
Assessment Area Description: This is a 9.36-acre forested wetland.				
Significant Nearby Features: None		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-07W-32-630
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Discharges from AA provide minimal benefits to downstream areas, which could be altered if quality/quantity were altered.	
w/o pres or current	with	
0	6	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	7	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.6667

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas	
Area Size (ac) =	9.3610969401
FL= delta x acres =	N/A

Delta = [with-current]:
0.6667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.5

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.4444
FG = RFG x acres =	4.16 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-07W-36-630	
FLUCCs Code: 630	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 0.7434
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected by stream to other wetlands				
Assessment Area Description: This is a 0.74-acre swamp.				
Significant Nearby Features: None		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-07W-36-630
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Discharges from AA provide minimal benefits to downstream areas, which could be altered if quality/quantity were altered.	
w/o pres or current	with	
0	6	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	7	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.6667

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas
Area Size (ac) = 0.74336999074
FL= delta x acres = N/A

Delta = [with-current]:
0.6667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.5

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.4444
FG = RFG x acres = 0.33 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-08E-01-641	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 9.3405
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected to tributary of Lettis Creek				
Assessment Area Description: This is a 9.34-acre herbaceous marsh.				
Significant Nearby Features: Tributary to Lettis Creek		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 08-Jun-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-08E-01-641
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Wildlife access to/from AA is partially limited by distance or barriers.	
w/o pres or current	with	
0	7	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Presence/evidence of use by animal species w/specific hydrologic requirements is less than expected/more generalized requirements. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).	
w/o pres or current	with	
0	6	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Minimal cover by invasive/exotic plant species. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.6667

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas	
Area Size (ac) =	9.34053509002
FL= delta x acres =	N/A

Delta = [with-current]:
0.6667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.25

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.5333
FG = RFG x acres =	4.98 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-08E-06-641	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 16.0606
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected by stream to other wetlands				
Assessment Area Description: This is a 16.07-acre herbaceous marsh.				
Significant Nearby Features: Flows into No Mine area		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-08E-06-641
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Wildlife access to/from AA is partially limited by distance or barriers. Discharges from AA significant to downstream areas, which could suffer substantial adverse impacts if quality/quantity were altered.	
w/o pres or current	with	
0	7	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	6	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.6667

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas	
Area Size (ac) =	16.0605611972
FL= delta x acres =	N/A

Delta = [with-current]:
0.6667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.25

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.5333
FG = RFG x acres =	8.57 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-08E-09-641	
FLUCCs Code: 617	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 23.0600
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by 120' of native reclaimed uplands, with pasture beyond to the east and native uplands/wetlands and a reclaimed tributary to Lettis Creek to the west.				
Assessment Area Description: This is a 23.06-acre hardwood swamp that is surrounded by a 120' ring of native reclaimed forest.				
Significant Nearby Features: ~1/4 mile south and west of Lettis Creek tributaries.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SMG			Assessment date(s): 24-Jun-2016	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-08E-09-641
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 24-Jun-2016

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Wildlife access to/from AA is partially limited by distance or barriers.	
w/o pres or current	with	
0	6	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Presence/evidence of use by animal species w/specific hydrologic requirements is much less than expected/more generalized requirements. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration).	
w/o pres or current	with	
0	6	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Minimal cover by invasive/exotic plant species. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.6333

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas	
Area Size (ac) =	23.06
FL= delta x acres =	N/A

Delta = [with-current]:
0.6333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.5

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.4222
FG = RFG x acres =	9.74 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-10E-02-617	
FLUCCs Code: 617	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 4.5779
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected by stream to other wetlands				
Assessment Area Description: This is a 4.58-acre forested wetland.				
Significant Nearby Features: None		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-10E-02-617
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Area Land Uses have significant adverse impacts on wildlife.	
w/o pres or current	with	
0	6	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	6	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.6333

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas	
Area Size (ac) =	4.5779432097
FL= delta x acres =	N/A

Delta = [with-current]:
0.6333

If mitigation	
Time lag (t-factor) =	1
Risk factor =	1.5

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.4222
FG = RFG x acres =	1.93 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-10E-02-630	
FLUCCs Code: 630	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 8.7957
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected by stream to other wetlands				
Assessment Area Description: This is an 8.8-acre swamp.				
Significant Nearby Features: None		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-10E-02-630
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Area Land Uses have significant adverse impacts on wildlife.	
w/o pres or current	with	
0	6	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	6	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.6333

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas	
Area Size (ac) =	8.79569774568
FL= delta x acres =	N/A

Delta = [with-current]:
0.6333

If mitigation	
Time lag (t-factor) =	1
Risk factor =	1.5

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.4222
FG = RFG x acres =	3.71 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-10E-06-641	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 9.2223
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected by stream to other wetlands				
Assessment Area Description: This is a 9.22-acre herbaceous marsh.				
Significant Nearby Features: Adjacent to CSA		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-10E-06-641
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA.	
w/o pres or current	with	
0	6	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen.	
w/o pres or current	with	
0	6	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	6	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.6000

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas	
Area Size (ac) =	9.22231479302
FL= delta x acres =	N/A

Delta = [with-current]:
0.6000

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.25

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.4800
FG = RFG x acres =	4.43 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-10E-08-630	
FLUCCs Code: 630	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 15.9648
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected by stream to other wetlands				
Assessment Area Description: This is a 15.97-acre swamp				
Significant Nearby Features: None		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-10E-08-630
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Area Land Uses have significant adverse impacts on wildlife.	
w/o pres or current	with	
0	6	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	6	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.6333

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas
Area Size (ac) = 15.9647852255
FL= delta x acres = N/A

Delta = [with-current]:
0.6333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.5

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.4222
FG = RFG x acres = 6.74 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-10E-12-626	
FLUCCs Code: 626	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 4.8475
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected by stream to other wetlands				
Assessment Area Description: This is a 4.85-acre forested wetland.				
Significant Nearby Features: Troublesome Creek offsite to south		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-10E-12-626
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA.	
w/o pres or current	with	
0	6	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	6	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.6333

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas
Area Size (ac) = 4.84752495212
FL= delta x acres = N/A

Delta = [with-current]:
0.6333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.5

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.4222
FG = RFG x acres = 2.05 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-10W-02-617	
FLUCCs Code: 617	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 8.7143
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Abuts a preservation area along ~40% of the perimeter and reclaimed native habitat along another 50%. 10% borders pasture (CSA).				
Assessment Area Description: This is an 8.72-acre reclaimed forested wetland adjacent a preservation area and abutting a CSA.				
Significant Nearby Features: Between a CSA and No Mine area		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-10W-02-617
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Area Land Uses have minimal adverse impacts on wildlife.	
w/o pres or current	with	
0	7	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen.	
w/o pres or current	with	
0	8	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.7333

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas
Area Size (ac) = 8.71434197779
FL= delta x acres = N/A

Delta = [with-current]:
0.7333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.5

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.4889
FG = RFG x acres = 4.26 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: R-11W-02-617	
FLUCCs Code: 617		Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 17.2623
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Within a wide reclaimed native habitat connection between Brushy Creek and Lettis Creek.					
Assessment Area Description: This is a 17.26-acre reclaimed forested wetland.					
Significant Nearby Features: Within a large block of reclaimed native habitat and between two significant sections of the preservation area.			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A					
Additional relevant factors: None					
Assessment conducted by: SCP				Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-11W-02-617
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Wildlife access to/from AA is not limited by distance or barriers.	
w/o pres or current	with	
0	7	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen.	
w/o pres or current	with	
0	8	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.7333

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas
Area Size (ac) = 17.2623318792
FL= delta x acres = N/A

Delta = [with-current]:
0.7333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.5

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.4889
FG = RFG x acres = 8.44 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-11W-04-641	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 1.0942
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by ~150' of native reclaimed habitat and within 200' of Brushy Creek.				
Assessment Area Description: This is a 1.09-acre reclaimed herbaceous marsh.				
Significant Nearby Features: Brushy Creek is ~200' North.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-11W-04-641
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Discharges from AA provide minimal benefits to downstream areas, which could be altered if quality/quantity were altered.	
w/o pres or current	with	
0	7	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	7	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.7000

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas	
Area Size (ac) =	1.09423211312
FL= delta x acres =	N/A

Delta = [with-current]:
0.7000

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.25

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.5600
FG = RFG x acres =	0.61 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-11W-04-643	
FLUCCs Code: 643	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 1.4006
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by ~150' of native reclaimed habitat and within 200' of Brushy Creek.				
Assessment Area Description: This is a 1.40-acre reclaimed wet prairie.				
Significant Nearby Features: Brushy Creek is ~200' North.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-11W-04-643
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Discharges from AA provide minimal benefits to downstream areas, which could be altered if quality/quantity were altered.	
w/o pres or current	with	
0	7	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	7	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.7000

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas
Area Size (ac) = 1.40056145682
FL= delta x acres = N/A

Delta = [with-current]:
0.7000

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.5

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.4667
FG = RFG x acres = 0.65 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-11W-06-617	
FLUCCs Code: 617	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 15.9793
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected by stream to other wetlands				
Assessment Area Description: This is a 15.98-acre forested wetland.				
Significant Nearby Features: No Mine Area		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-11W-06-617
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Wildlife access to/from AA is partially limited by distance or barriers. Discharges from AA significant to downstream areas, which could suffer substantial adverse impacts if quality/quantity were altered.	
w/o pres or current	with	
0	7	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	7	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.7000

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas	
Area Size (ac) =	15.9792781024
FL= delta x acres =	N/A

Delta = [with-current]:
0.7000

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.5

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.4667
FG = RFG x acres =	7.46 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-11W-06-641	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 22.4064
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected by stream to other wetlands				
Assessment Area Description: This is a 22.41-acre herbaceous marsh.				
Significant Nearby Features: No Mine Area		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-11W-06-641
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Wildlife access to/from AA is substantially limited, by distance or barriers. Discharges from AA provide minimal benefits to downstream areas, which could be altered if quality/quantity were altered.	
w/o pres or current	with	
0	7	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	7	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.7000

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas	
Area Size (ac) =	22.4064116246
FL= delta x acres =	N/A

Delta = [with-current]:
0.7000

If mitigation	
Time lag (t-factor) =	1
Risk factor =	1.25

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.5600
FG = RFG x acres =	12.55 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-11W-10-641	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 16.5500
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected by stream to other wetlands				
Assessment Area Description: This is a 16.55-acre herbaceous marsh.				
Significant Nearby Features: No Mine Area		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-11W-10-641
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Wildlife access to/from AA is partially limited by distance or barriers. Discharges from AA significant to downstream areas, which could suffer substantial adverse impacts if quality/quantity were altered.	
w/o pres or current	with	
0	7	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen.	
w/o pres or current	with	
0	8	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.7333

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas	
Area Size (ac) =	16.5500259319
FL= delta x acres =	N/A

Delta = [with-current]:
0.7333

If mitigation	
Time lag (t-factor) =	1
Risk factor =	1.25

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.5867
FG = RFG x acres =	9.71 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-11W-14-641	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 3.7135
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Within a wide reclaimed native habitat connection between Brushy Creek and Lettis Creek.				
Assessment Area Description: This is a 3.71-acre reclaimed herbaceous wetland surrounded by a vast landscape of preserved and reclaimed native habitat.				
Significant Nearby Features: Within a large block of reclaimed native habitat and between two significant sections of the preservation area.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-11W-14-641
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Wildlife access to/from AA is not limited by distance or barriers.	
w/o pres or current	with	
0	7	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen.	
w/o pres or current	with	
0	8	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.7333

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas
Area Size (ac) = 3.7135265581
FL= delta x acres = N/A

Delta = [with-current]:
0.7333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.25

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.5867
FG = RFG x acres = 2.18 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: R-12W-04-641	
FLUCCs Code: 641		Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 4.1172
Basin/Watershed Name/Number:		Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Within a wide reclaimed native habitat connection between Brushy Creek and Lettis Creek.					
Assessment Area Description: This is a 4.18-acre reclaimed herbaceous marsh.					
Significant Nearby Features: Within a large block of reclaimed native habitat and between two significant sections of the preservation area.			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A					
Additional relevant factors: None					
Assessment conducted by: SCP				Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-12W-04-641
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Wildlife access to/from AA is not limited by distance or barriers.	
w/o pres or current	with	
0	8	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen.	
w/o pres or current	with	
0	8	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.7667

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas
Area Size (ac) = 4.11723315021
FL= delta x acres = N/A

Delta = [with-current]:
0.7667

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.25

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.6133
FG = RFG x acres = 2.53 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-12W-06-641	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 1.4000
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Within a wide reclaimed native habitat connection between Brushy Creek and Lettis Creek.				
Assessment Area Description: This is a 1.40-acre reclaimed herbaceous marsh.				
Significant Nearby Features: Within a large block of reclaimed native habitat and between two significant sections of the preservation area.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-12W-06-641
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Wildlife access to/from AA is not limited by distance or barriers.	
w/o pres or current	with	
0	7	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen.	
w/o pres or current	with	
0	8	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.7333

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas	
Area Size (ac) =	1.4
FL= delta x acres =	N/A

Delta = [with-current]:
0.7333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.25

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.5867
FG = RFG x acres =	0.82 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-12W-08-625	
FLUCCs Code: 625	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 4.8007
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Surrounded by ~150' of reclaimed native uplands and within 200' of enhanced Lettis Creek stream and floodplain wetland.				
Assessment Area Description: This is a 4.80-acre reclaimed forested wetland.				
Significant Nearby Features: Enhanced Lettis Creek channel and floodplain wetland are within 200' to the East.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-12W-08-625
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Wildlife access to/from AA is not limited by distance or barriers.	
w/o pres or current	with	
0	6	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen.	
w/o pres or current	with	
0	6	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	6	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.6000

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas
Area Size (ac) = 4.80068061981
FL= delta x acres = N/A

Delta = [with-current]:
0.6000

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.5

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.4000
FG = RFG x acres = 1.92 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:		Assessment Area Name or Number: R-12W-10-625	
FLUCCs Code: 625		Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 12.6965
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A			
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Within a wide reclaimed native habitat connection between Brushy Creek and Lettis Creek.					
Assessment Area Description: This is a 12.70-acre reclaimed forested wetland.					
Significant Nearby Features: Within a large block of reclaimed native habitat and between two significant sections of the preservation area.			Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.			Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge			Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A					
Additional relevant factors: None					
Assessment conducted by: SCP				Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-12W-10-625
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Wildlife access to/from AA is not limited by distance or barriers.	
w/o pres or current	with	
0	7	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen.	
w/o pres or current	with	
0	8	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.7333

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas	
Area Size (ac) =	12.6965153804
FL= delta x acres =	N/A

Delta = [with-current]:
0.7333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.5

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.4889
FG = RFG x acres =	6.21 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-12W-12-641	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 1.1300
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Within a wide reclaimed native habitat connection between Brushy Creek and Lettis Creek.				
Assessment Area Description: This is a 1.13-acre reclaimed herbaceous marsh.				
Significant Nearby Features: Within a large block of reclaimed native habitat and between two significant sections of the preservation area.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-12W-12-641
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Wildlife access to/from AA is not limited by distance or barriers.	
w/o pres or current	with	
0	7	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen.	
w/o pres or current	with	
0	8	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.7333

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas	
Area Size (ac) =	1.13
FL= delta x acres =	N/A

Delta = [with-current]:
0.7333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.25

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.5867
FG = RFG x acres =	0.66 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: R-12W-14-641	
FLUCCs Code: 641	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 0.7884
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Within a wide reclaimed native habitat connection between Brushy Creek and Lettis Creek.				
Assessment Area Description: This is a 0.79-acre reclaimed herbaceous marsh.				
Significant Nearby Features: Within a large block of reclaimed native habitat and between two significant sections of the preservation area.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SCP			Assessment date(s): 15-Jan-2009	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number R-12W-14-641
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA optimal for most but not all species of wildlife in Pt. I. Cover of invasive/exotic spp. is minimal, minimal adverse effect on functions of AA. Wildlife access to/from AA is not limited by distance or barriers.	
w/o pres or current	with	
0	7	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation. Direct observation of standing water indicates slight water quality degradation such as discoloration, turbidity, or oil sheen.	
w/o pres or current	with	
0	8	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.7333

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas
Area Size (ac) = 0.78835663957
FL= delta x acres = N/A

Delta = [with-current]:
0.7333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.25

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.5867
FG = RFG x acres = 0.46 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: ST-IS-R24	
FLUCCs Code: 610	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 16.8700
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands This wetland is predominantly surrounded by a narrow (<300ft.) pasture followed by various types of native reclaimed uplands and wetlands.				
Assessment Area Description: This is a 16.87-acre hardwood swamp within a large block of reclaimed uplands and wetlands.				
Significant Nearby Features: ~0.5 miles east of Mitchell's Hummock Preserve and ~0.5 miles from another preserve.		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, small mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC). Sandhill crane nesting (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SMG			Assessment date(s): 24-Jun-2016	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number ST-IS-R24
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 24-Jun-2016

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation: N/A
	With mitigation: Narrow pasture buffer and native reclaimed habitat beyond. Connected to reclaimed habitat at eastern boundary. Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Wildlife access to/from AA is partially limited by distance or barriers.
w/o pres or current	with
0	5

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation: N/A
	With mitigation: Conservation Easement over wetland and 25 ft. upland buffer protects water quality. Water levels and flow slightly higher/lower than appropriate considering natural variation.
w/o pres or current	with
0	6

.500(7)(c) Community Structure	Without mitigation: N/A
	With mitigation: Planting, maintenance and monitoring in accordance with the CMP. Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment.
w/o pres or current	with
0	7

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.6000

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas	
Area Size (ac) =	16.87
FL= delta x acres =	N/A

Delta = [with-current]:
0.6000

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.5

For mitigation assessment areas	
RFG = delta/(t-factor x risk) =	0.4000
FG = RFG x acres =	6.75 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

PART I - Qualitative Description (See Section 62-345.400, F.A.C.)

Site/Project Name: CF SPE		Application Number:	Assessment Area Name or Number: TB151	
FLUCCs Code: 640	Further Classification: N/A		Impact or Mitigation Site? Mitigation	Assessment Area Size (ac): 7.5857
Basin/Watershed Name/Number:	Affected Waterbody (Class): Class	Special Classification (i.e. OFW, AP, other local/state/federal designation of importance) N/A		
Geographic relationship to and hydrologic connection with wetlands, other surface water, uplands Connected by stream to other wetlands				
Assessment Area Description: This is a 7.59-acre reclaimed marsh that discharges to a reclaimed stream.				
Significant Nearby Features: Flows into reclaimed tributary to Troublesome Creek		Uniqueness (considering the relative rarity in relation to the regional landscape.) None		
Functions: Water quality treatment, sediment/erosion control, detrital export, flood retention/detention; nesting sites, amphibian/fish and small mammal habitat, bird foraging/nesting.		Mitigation for previous permit/other historic use: None		
Anticipated Wildlife Utilization Based on Literature Review (List of species that are representative of the assessment area and reasonably expected to be found) Wading bird foraging, amphibian breeding, reptile habitat, large mammal refuge		Anticipated Utilization by Listed Species (List species, their legal classification (E, T, SSC), type of use, and intensity of use of the assessment area): Wading birds foraging (SSC by FFWCC)		
Observed Evidence of Wildlife Utilization (List species directly observed, or other signs such as tracks, droppings, casings, nests, etc.) N/A				
Additional relevant factors: None				
Assessment conducted by: SMG			Assessment date(s): 24-Jun-2016	

PART II - Quantification of Assessment Area (impact or mitigation)
(See Sections 62-345.500 and .600, F.A.C.)

Site/Project Name CF SPE	Application Number	Assessment Area Name or Number TB151
Impact or Mitigation Mitigation	Assessment conducted by: SMG	Assessment Date: 10-Jul-2009

Scoring Guidance The scoring of each indicator is based on what would be suitable for the type if wetland or surface water assessed	Optimal (10)	Moderate (7)	Minimal (4)	Not Present (0)
	Condition is optimal and fully supports wetland/surface water functions	Condition is less than optimal, but sufficient to maintain most wetland/surface water functions	Minimal level of support of wetland/surface water functions	Condition is insufficient to provide wetland/surface water functions

.500(7)(a) Location and Landscape Support	Without mitigation:	
	With mitigation: Habitat availability outside AA is fair, fails to provide support some species of wildlife or provides minimal support fro many species in Pt. I. Area Land Uses have significant adverse impacts on wildlife.	
w/o pres or current	with	
0	6	

.500(7)(b) Water Environment (n/a for uplands)	Without mitigation:	
	With mitigation: Direct observation of standing water indicates moderate water quality degradation such as discoloration, turbidity, or oil sheen. Plant community composition is characterized by some species tolerant of and associated with water quality degradation/alterations in inundation/saturation (freq, depth, duration). Water levels and flow appear appropriate considering natural variation.	
w/o pres or current	with	
0	6	

.500(7)(c) Community Structure	Without mitigation:	
	With mitigation: Majority of plant covers is desirable plant species in all strata . Minimal cover by invasive/exotic plant species . Evidence of near normal regeneration/recruitment. Land Management Practices generally appropriate.	
w/o pres or current	with	
0	7	

Score = sum of above scores/30 (if uplands, divide by 20)
0.0000 0.6333

If preservation as mitigation,
Preservation adjustment factor = 0.0000
Adjusted mitigation delta =

For impact assessment areas
Area Size (ac) = 7.58571411327
FL= delta x acres = N/A

Delta = [with-current]:
0.6333

If mitigation
Time lag (t-factor) = 1
Risk factor = 1.25

For mitigation assessment areas
RFG = delta/(t-factor x risk) = 0.5067
FG = RFG x acres = 3.84 *

* FG is rounded to 2 decimal places. Intermediate calculations are not rounded, but are displayed to 4 decimal places.

ROD-SOF for DA Permit SAJ-1993-01395
Attachment B - Compensatory Mitigation Plan
Attachment F - Reference Plan

Attachment F

REFERENCE SYSTEM SAMPLING PLAN

SOUTH PASTURE EXTENSION MINE

HARDEE COUNTY, FLORIDA

Prepared for:



CF Industries, Inc.
Hardee Phosphate Complex

Submitted to:

Florida Department of Environmental Protection
Mining and Mitigation Program
2600 Blair Stone Road, MS 715
Tallahassee, Florida 32399-2400

FDEP ERP No. 0294666-001

September 30, 2013

Prepared by:

AMEC Environment & Infrastructure, Inc.
2000 E. Edgewood Drive, Suite 215
Lakeland, Florida 33803

and

Flatwoods Consulting Group Inc.
10150 Highland Manor Drive, Suite 200
Tampa, Florida 33610



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1.0 INTRODUCTION

CF Industries, Inc. (CF) tasked Flatwoods Consulting Group, Inc. (Flatwoods) and AMEC Environment & Infrastructure, Inc. (AMEC) with selecting several high-quality reference wetlands and first-order reference stream sites intended to meet the requirements of the Florida Department of Environmental Protection (FDEP) Environmental Resource Permit (ERP) No. 0294666-001 for the South Pasture Extension Mine (SPE). This includes the following specific condition 30(b)(1) and 30(b)(2):

Specific Condition 30(b)(1)

“Several high-quality wetlands of each community type to be created shall be selected by the permittee and submitted to the Bureau of Mining and Minerals Regulation for review and approval. For the purposes of this section, “high quality” shall mean wetlands that achieve a score of at least 0.7 through application of Chapter 62-345, F.A.C. Additional stage and hydroperiod data shall be collected from these representative wetlands. The permittee shall submit a proposed sampling plan including vegetation and hydrology sampling methods, locations and sampling frequencies to the Bureau of Mining and Minerals Regulation for approval within one year of permit issuance.”

Specific Condition 30(b)(2)

“Several high-quality first order reference streams representing each type of functional process zone to be created under this permit shall be selected by the permittee and submitted to the Bureau of Mining and Minerals Regulation for review and approval. For the purposes of this section, “high quality” shall mean streams that achieve a score of at least one of the following: a 0.7 through application of Chapter 62-345, F.A.C.; suboptimal on the Department’s Physical Stream Habitat Assessment (DEP-SOP¹-001/01: Form FD 9000-5); or comparable score using a comparable method applicable to streams proposed by the permittee and approved by the Department. All reference streams shall be located within the Middle Peace River Basin or comparable hydrophysiographic region. The permittee shall submit a proposed stream habitat, macroinvertebrate, and fish sampling plan including sampling methods, locations and sampling frequencies to the Bureau of Mining and Minerals Regulation for approval within one year of permit issuance.”

This report summarizes efforts to identify appropriate reference wetland and stream sites, collect basic site information, and determine site accessibility. The reference systems will ultimately serve as a benchmark in the determination of mitigation success. Reference wetland information is discussed first, in Section 2.0 and reference stream information is subsequently presented in Section 3.0.

¹ Standard Operating Procedure (SOP)

The reference systems consist of 23 wetland sites, all of which exist within the No Mine Area of the SPE, and 11 confirmed stream sites that exist within Peninsular Florida Coastal Plain stream hydro-physiographic region. Information pertaining to these reference systems such as narrative descriptions; aerial photos; habitat scores; location maps; and ground photos are included within the body and appendices of this report.

In addition to the 11 sites that form the core of the stream sampling plan, AMEC identified two additional properties with previous access agreements, subject to further investigation, to better represent sites with less than 0.1 square mile basins. These two sites will bring the proposed total to 13 reference streams. All the proposed stream segments are of similar size and morphology to streams located in the proposed reclamation areas.

2.0 REFERENCE WETLANDS

2.1 Site Selection

Based on an extensive desktop and field review, a minimum of two representative reference wetlands were selected for each community type to be created as part of mine reclamation on the SPE. For this purpose, community types were generally based on the Florida Land Use, Cover, and Forms Classification System (FLUCCS). As part of the ERP process, several individual wetlands were divided into multiple community types (FLUCCS) based on the different vegetative communities that occurred within that system. As such, an individual wetland may be used as a reference for multiple community types. Similarly, some reference wetlands (e.g. gum swamp) exist as inclusions of other community types, such as bay or hardwood swamps. In these cases, the monitoring transect will include the vegetative component for which it serves as a reference. Table 1 (Appendix A) provides a summary of reference wetland information, including the wetland ID, the acreage of each (per FLUCCS component), the Uniform Mitigation Assessment Method (UMAM) score and a general description of the community type. All proposed reference wetlands occur within the SPE no-mine area located west of County Road 663 in Hardee County, Florida, and are depicted on the attached Reference Wetland Map (Appendix B).

2.2 Reference Wetland Sampling Methodology

CF will sample the reference wetlands in accordance with the methods defined below once during the dry season and once during or immediately after the summer growing season at least one year prior to the commencement of mining in the SPE. The locations of the monitoring transects within each reference wetland are depicted in the attached Reference Wetland Transect Map (Appendix B) series.

Representative photographs will be taken at the start and end of each transect toward the transect interior. Additionally, photographs in each of the four cardinal directions will be taken at the midpoint of each transect. A summary of the sampling methods is included in Table 2 (Appendix A). A detailed description of each method is provided below.

2.2.1 Vegetation

2.2.1.1 Tree and Shrub Stratum

Tree and shrub species will be monitored within permanently marked ten meter (32.8 feet (ft)) wide belt transects randomly located within the forested systems. All belt-transects will be ten meters wide unless zone size prohibits this sampling width. A minimum of ten percent of each reference wetland area will be sampled for the tree (canopy) and shrub stratum. Data to be recorded will include the tree species, the status (living or dead), and height of each tree within the sample. Tree and shrub density within belt transects is determined with the following formula:

$$\text{Tree Density} = \frac{\# \text{ Trees in Belt Transect}}{\text{Total Area of Belt Transect}}$$

$$\text{Shrub Density} = \frac{\# \text{ Shrubs in Belt Transect}}{\text{Total Area of Belt Transect}}$$

In addition to calculating tree and shrub density and overall tree and shrub species percent composition and crown canopy closure will be visually assessed in each forested reference wetland.

2.2.1.2 Ground Cover Stratum

Ground strata, defined as herbaceous species and/or woody species less than 18 inches in height, will be sampled using the square-meter (m²) sampling methodology (Bonham, 1989). Quadrats will be spaced at 50 or 100 ft. intervals along each transect with interval spacing determined based on total length of each transect to ensure sampling 10 percent of the linear distance of each transect. Therefore, if the transect is less than 1,000 ft., a 50 foot interval will be used and if the transect is greater than 1,000 ft., a 100 ft. interval will be used.

Quadrat sampling intervals will be measured utilizing a hip chain (Chainman II[®] Hip Chain, 10 kilometer in 1/10M increments with 1,800M

thread) to reduce subjectivity and bias of quadrat placement at each monitoring plot. Percent cover, the percentage of the ground surface that is vegetated, will be determined using 1 square-meter quadrats. Cover of herbaceous species, open water, and bare ground (including dead vegetation) in each quadrat will be recorded with the combined values resulting in total cover. Those individuals that were rooted in the quadrat will be counted. Creeping and matting vegetation will be included in the count if the shoots were rooted.

Taxonomy and nomenclature for plants identified during each survey will follow Wunderlin 2011. Data for all quadrats will be combined to determine the dominant (most abundant) and subdominant (average cover $\geq 5\%$) species for the community. Total and relative cover of herbaceous species will be calculated using the following formulas:

$$\text{Total \% Cover} = \frac{\text{Combined \% Cover of a Particular Species for the Wetland}}{\text{Total \# of Quadrats in Sample Area}}$$

$$\text{Relative \% Cover} = \frac{\text{Total \% Cover of a Particular Species}}{\text{Total \% Cover of All Vegetation*}}$$

*Does not include coverage of bare ground, dead vegetation, or open water.

In addition to the quantitative data collection described above, a qualitative assessment of dominant and sub-dominant species will be conducted over the entire (100%) wetland area. This will ensure capturing the range of variability in the vegetative community and provide verification that the quantitative data are consistent with the overall condition of the wetland.

2.2.2 Hydrology

In accordance with ERP Specific Condition 14, CF will install a piezometer network (minimum spacing of 1 per 1,000 ft.) surrounding the no-mine boundary in the SPE. This network will be monitored on a weekly basis at least four years prior to any mining activity within 1,800 ft. Piezometers located in proximity to each reference wetland can be used to evaluate hydrological data prior to wetland disturbance. Utilizing the piezometer data, a water level hydrograph will be created for each reference wetland that will show the hydroperiod of the wetland over the entire period of record for that device. Stage-duration curves will also be created from the collected data for each reference wetland to show the percentage of time the wetland is submerged over the entire period of record.

Additionally, surface water inundation observations will be recorded along the transect lines shown in the Reference Wetland Transect Map series during transect setup (dry season) and vegetation sampling (wet season).

2.2.3 Soil

Soil monitoring assessments will be conducted at the approximate start, midpoint, and end of each transect during the dry season. Based on criteria set forth in the United State Department of Agriculture Natural Resource Conservation Service's (USDA NRCS's) "*Field Book for Describing and Sampling Soils*," Version 3.0, September 2012, a hand soil auger pushed into the soil to a depth of 12 inches will be used to note variables including muck depth, color, texture, and litter accumulation. In addition, three replicates for soil moisture and compaction will be measured using a soil moisture meter and penetrometer at the start, midpoint, and end of each transect.

2.2.4 Wildlife Observations

Direct observations of species or their sign (tracks, scat, calls, etc.) will be made throughout the monitoring event. Of particular note will be listed species considered Endangered, Threatened, or of Special Concern by the U.S. Fish and Wildlife Service (FWS) under Title 50 Code of Federal Regulation (CFR) 11-12 or the Florida Fish and Wildlife Conservation Commission (FWC) under Chapter 68A-27 F.A.C. and any wetland dependent species or species that appear to be using the wetland for forage or refugia at the time of the monitoring event.

3.0 REFERENCE STREAMS

3.1 Evaluation Criteria

AMEC scientists utilized geographic information system (GIS) maps and aerial photograph interpretation to identify potential locations for the reference streams. In addition to streams on CF property, six large, publically-owned preserves were identified as being rich in high-quality streams and within the same hydrophysiographic region as the Peace River – the Peninsular Florida Coastal Plain. The government ownership of these preserves allows for reliable access. AMEC has been continuously accessing five of these properties since 2006 for various stream studies. Likewise, public ownership should provide some degree of certainty that the sites will remain unaltered for some time.

The watersheds for more than 25 potential stream segments were mapped. In order to compare similar streams to those permitted for mining on CF property, only first

order streams with drainage areas of less than three square miles were identified. Land use layers and aerial photographs were added in GIS, which were used to examine levels of disturbance within the drainage basins. Historical aerial photography was also analyzed for evidence of previous land alterations and disturbances within the basins. This exercise narrowed and prioritized the list of potential sites to be evaluated in the field.

AMEC scientists conducted field investigations of the potential sites identified by the desktop GIS efforts. The potential sites were evaluated for appropriateness using the Physical Stream Habitat Assessment (HA) [DEP-SOP-001/01: Form FD 9000-5] as scoring criteria. The permit also allows use of the UMAM [Chapter 62-345, F.A.C] as an alternate inclusionary criterion. Only those sites scoring greater than 0.7 using UMAM or suboptimal using the HA were considered appropriate. Sites deemed to be heavily impacted or directly affected by ditches were not further evaluated. Habitat Assessment scoring was conducted within the bankfull channel, mapping all suitable habitats irrespective of actual wetting at the time of observation. Thus the reported scores were derived from anticipated wetted habitat conditions during bankfull flow conditions. This is similar to AMEC's HA scoring methodology used to assess the SPE streams. HA scores are provided in Table 3 (Appendix A).

A final analysis of both the desktop findings and the field reconnaissance efforts was conducted to identify sites providing a range of watershed sizes for each of the four functional process zones (FPZ) to be reclaimed; chains-of-wetlands, headwater drains, upland confined streams, and wetland confined streams. The FPZ's to be created at the SPE were described for each lotic system in the South Pasture Extension Stream Restoration Plan (SRP), AMEC-BCI Inc. (September 2011). Table SRO-5B of the SRP provided post-reclamation stream design valley specifications, including a column labeling each reach with a FPZ. These labels were applied in the table, using a different interpretation of the FPZs versus that provided in the SRP's detailed narrative descriptions. An updated version of Table SRO-5B is therefore provided herein (Appendix A) to achieve better consistency with the narrative, which more accurately captures the original intention of the FPZ concepts. This update of mislabeled FPZs in the table does not change the design details of the plan. The streams (as well as their valleys, adjacent wetlands, and watersheds) are to be dimensioned, patterned, created, constructed, monitored and maintained as described in the SRP. Note that the update to Table SRO-5B simply represents the clean-up of a clerical error, not a change in the proposed mitigation.

The objective of the reference stream selection was to provide a minimum of two sites for each FPZ to be created in the SPE. Because the heaviest emphasis in stream creation will be placed on the chain-of-wetland FPZs, at least four such sites were sought. Headwater drains are the second most common systems to be created. Further, longer headwater drains can be quite similar to upland or wetland

confined FPZs, enabling their assignment in more than one FPZ category. For this reason, at least four headwater systems were sought.

The sample was also designed to achieve an overall range of drainage area sizes similar to that of the sites proposed to be reclaimed. Overall, 13 of 37 (35%) reclaimed streams will drain basins less than 0.1 square mile, 25 (68%) will drain basins less than 0.5 square mile in size, and 32 (86%) will drain watersheds less than one square mile. Therefore, the majority of the reference sites were selected from drainages of less than a square mile.

3.2 Alternatives Considered

Several properties were selected for evaluation. Most of these properties were selected because they are close to or within the West Central Florida region and AMEC has been able to routinely access them for previous reference stream studies. The main properties examined with previous or existing access include CF's Hardee County land holdings, Duette Preserve, Lower Green Swamp Preserve, Myakka State Park, and the Balm Boyette Preserve. Additional properties examined with existing or previous access histories include the Avon Park Air Force Range and Highlands Hammock State Park (Lake June-in-Winter parcel). With the exception of CF's property, these properties exist outside of or along the outer fringes of the phosphate mineralized district. All of the sites are in the same stream hydro-physiographic region – i.e., the Peninsular Florida Coastal Plain.

Additional un-mined properties closer to the heart of the phosphate mineralized region were examined for clusters of streams draining substantial native watershed cover. Areas of such focus included streams feeding the Peace River corridor, streams draining into the Alafia River south of the river, and streams that are direct tributaries to Horse Creek. Three clusters of potentially acceptable systems were identified on private properties along the Peace River in Hardee and Desoto Counties.

The Duette Preserve in Manatee County is a County-owned property mostly in native cover with a history of cattle grazing, some ditching, and some silviculture uses. AMEC has four stream monitoring sites on the property from a previous study, and the County has been amenable to establishing monitoring sites there in the past. These systems are part of the Manatee River watershed.

The Lower Green Swamp Preserve (formerly Cone Ranch) in Hillsborough County is a County-owned property, and the County has expressed willingness to allow and even assist with stream monitoring there. Most of this property has been managed for ranching operations and some areas of silviculture in the past. Current silviculture operations are being phased out as stands are harvested. Portions of

the property are still used for cow-calf operations. This property drains to the Hillsborough River via Black Creek.

Myakka State Park in Sarasota County is a state-owned park managed by the FDEP where AMEC has maintained two stream monitoring sites for several years as part of a Florida Industrial and Phosphate Research Institute (FIPR) study. Both of these stream sites were chosen without further investigation as reference sites due to their location, habitat characteristics, and ongoing hydrological data collections. Their watersheds, fire management regimes, and lotic system corridors are as near to natural as may be found in Florida today. The only potential impacts to these systems arise from the feral hog population (which is culled) and the presence of an at-grade vehicle trail that crosses each system a few hundred feet away from the reference sites. This property drains to the Myakka River.

The Balm Boyette Preserve, which is owned by Hillsborough County, was chosen because it contained the smallest drainage FIPR study site (0.2 square mile watershed). This system is part of the Alafia River watershed. Two other FIPR sites suitable as reference streams for this project were selected to complete the pertinent FPZs. These sites are on the Avon Park Air Force Range and Highlands Hammock State Park and are part of the Kissimmee River watershed.

Additional sites within unmined watersheds that were direct tributaries to the Peace and Alafia Rivers or their major tributaries were also investigated in order to include more sites similar in their near-surface geologic strata to those of the middle Peace basin. Clusters of qualifying streams in either unmined watersheds or systems not proposed for mining were generally not found along the upper and middle Peace River, Alafia River, Payne Creek, or Horse Creek; but three clusters of potentially acceptable lotic systems were identified along the Peace River downstream of Arcadia. These are proposed for future study and potential inclusion as reference sites, subject to FDEP approval. Further site study at the Duette Preserve and Myakka River State Park is also recommended for consideration to supplement the suite of reference sites that drain small watersheds (less than 0.1 square mile), subject to FDEP approval.

3.3 Recommended Stream Reference Sites

3.3.1 Chain-of-Wetlands

Chain-of-Wetlands FPZs consist of a series of at least two in-line depressional swamps or marshes linked by short alluvial channels. The stream channels typically have sandy alluvium on their beds and link vegetated wetlands with organic substrates. The channels are shallow with ephemeral to intermittent flow and thus can have faunal compositions greatly influenced by the adjacent

wetlands. This characteristic of the fauna is especially true for channels within a few hundred feet of a connecting wetland. In general, individual stream segments less than 1,000 feet long are typically required for inclusion in this FPZ. Longer stream segments may develop macroinvertebrate fauna with a signature less influenced by the nearest wetland and are therefore typically assigned to other categories.

East Fork Manatee UT2 - This location within the Duette Preserve has been used as a reference site for AMEC's FIPR study. It drains an area of 0.4 square mile containing a mix of land uses including flatwoods, regenerating pasture, pine silviculture and mixed hardwoods. Species present along the banks include red maple, dahoon holly, saw palmetto, gallberry, blackgum, red bay, highbush blueberry, cinnamon fern, wax myrtle, slash pine and laurel oak. It forms an interior link between two wetland depressions.

Lower Myakka River UT3 - This Myakka State Park site has been used in the past as a reference site for a FIPR study. It drains an unditched 0.4 square mile watershed dominated by well-managed native dry prairie, emergent marsh and gallery forest² cover. The reference reach occurs within a gallery forest dominated by cabbage palm, live and laurel oaks, fakahatchee grass, palmetto, buttonbush, and viburnum. AMEC has continuously gaged this site for several years. It forms an interior link between two wetland depressions.

BC-NE-6 Preserve - This location on CF property drains an area of 0.6 square mile containing improved pasture with some flatwoods, mesic hammocks, and in-line and headwater swamps and marshes. Species present along the banks include a variety of hardwoods. This system forms an interior link between two wetland depressions traveling through a mesic to hydric hammock.

Site 11C - This site's 1.32 square mile watershed on the Lower Green Swamp Preserve is used by a current cow-calf operation. It is predominantly made up of a mix of pasture and cypress wetlands. The stream segment itself is located in a mixed hardwood wetland. The canopy is a mix of sweetbay, laurel oak, water oak, sweetgum, and sugarberry with scattered live oaks. The understory is made up of various grasses, cinnamon fern, royal fern, dwarf palmetto, and saw palmetto. The stream site itself is located downstream of the pasture land and cattle is excluded from the area. Some hog damage has been observed. The stream was dry at the time of the investigation but it did score as suboptimal under the HA protocols. The stream and associated wetlands were scored by UMAM as 0.7. The site comprises an interior link chain of wetlands FPZ.

² A narrow forest following a stream corridor in an otherwise open landscape.

Peace River/Horse Creek Interfluvial Cluster - This area provides a chain of marshes that drain to the Peace River. The reaches in the chain drain basins on a narrow interfluvial between Horse Creek and the river, generally 0.2 to 0.6 square mile in contributing area. The interfluvial is dominated by native flatwoods and marsh cover on private property. One of these reaches may be added as a supplemental study area, should property access be granted and the site(s) otherwise qualify.

Small Drainages on Myakka State Park or Duette Preserve (exact site to be determined) - These parks have numerous chains of wetlands, some of which drain less than 0.1 square mile watersheds. At least one such site qualifying as a chain-of-wetlands FPZ, yet to be identified, will be selected in concert with FDEP staff input and used as a reference site.

3.3.2 Headwater Drains

These relatively simple FPZs consist of a single alluvial channel between a headwater wetland depression and a larger downstream waterbody. The receiving waterbody can be a bigger and deeper stream, a lake, or sometimes a much larger or deeper wetland depression versus the headwater depression. Of the FPZs, this may be the most difficult category to classify, because if shorter than a few hundred feet, it may be very similar to chain-of-wetland streams. If longer than a thousand feet, it is possible for such systems to be similar to either an upland confined or wetland confined channel. For these reasons, headwater drain systems can be parsed into short versus long length categories, enabling their dual statistical categorization as headwater drains and one other FPZ type per reach.

Bell Creek UT - This location on the Balm Boyette Preserve has been used as a reference site for several years for AMEC's FIPR study. It drains an area of 0.2 square mile containing flatwoods and a headwater marsh. Species present along the banks include dense palmetto, with scattered buttonbush, laurel oak, live oak, slash pine, and cinnamon fern. This headwater system is long enough to also qualify as an upland confined FPZ.

Lake June-In-Winter UT - This location on the Highlands Hammock State Park has been used as a reference site for AMEC's FIPR study. It drains an area of 0.6 square mile containing scrub and a seepage swamp to the lake. Species present along the banks include sweetbay, loblolly bay, dahoon holly, palmetto, wax myrtle, blueberry, and ferns. This headwater system is long enough to also qualify as a wetland confined FPZ.

Site 6D - This site drains an area of 0.9 square mile within the Duette Preserve. This basin includes a mixture of disturbed and undisturbed land cover and uses including flatwoods, mixed wetlands and citrus groves. The percentage of disturbed land is very low. The Habitat Assessment score for this site was in the suboptimal range. When evaluated for this report, the stream bed was nearly dry with only a few pools of stagnant water remaining, which are appropriate conditions for this headwater drain at the season of observation. The canopy is dominated by laurel oaks, maple, dahoon holly, and black gum. The understory is sparse and consists of saw palmetto and various grasses. Hog damage is currently moderate. The site has some ditching upstream, but did not appear to be ditched within the reference reach. This site may receive augmented flow from row-crop tailwater at times. It drains to the West Fork of the Manatee River. This headwater system is long enough to also qualify as a wetland confined FPZ.

Peace River Zolfo Cluster (exact site to be determined) - This area provides three headwater drains to the Peace River within a couple of miles of each other ranging from 0.3 to 0.9 square mile watersheds. The drainage areas are dominated by flatwoods, marshes and improved pasture. At least one of these, preferably the 0.3 square mile system, will be added should property access be granted and the site(s) otherwise qualify.

Peace River Charlie Cluster (exact site to be determined) - This area provides two headwater drains to the Peace River within a half mile of each other, but on either side of the river ranging from roughly 1.5 to 2.5 square mile watersheds. The drainage areas are dominated by a combination of native upland cover and improved pasture. At least one of these will be added should property access be granted and the site(s) otherwise qualify.

Small Drainages on Myakka State Park or Duette Preserve (exact site to be determined) - These parks have some headwater drains with less than 0.1 square mile watersheds. At least one such site qualifying as a headwater drain FPZ will potentially be included in concert with FDEP staff input and used as a reference site.

3.3.3 Upland Confined Channels

These FPZs consist of a single alluvial channel long enough to potentially develop faunal assemblages comparatively independent of their connecting waterbodies. Thus they are typically at least 1,000 feet long. They can be connected to virtually any of the common waterbody types in the region. These systems are extensively flanked by uplands and most of the meander belt will be dominated by facultative or drier species. Wetlands may be discontinuously

included within the meander belt, but most outer banks of bends will border uplands.

Cypress Slash UT - This location on the Avon Park Air Force Range drains an area of 0.4 square mile containing xeric flatwoods and a headwater lake/swamp/marsh system. Species present along the banks include dense palmetto and gallberry with scattered slash pine. This ephemeral system has been continuously gaged for a FIPR study for several years.

BC-NE-5 Preserve - This location on CF property drains an area of 0.5 square mile containing improved pasture with some flatwoods, mesic hammocks, and in-line and headwater swamps and marshes. Species present along the banks include a variety of hardwoods. Although this system is part of a wetland chain, it is more than 1,300 feet long, which is enough to qualify as an upland confined FPZ.

3.3.4 Wetland Confined Channels

These FPZs consist of a single alluvial channel long enough to potentially develop faunal assemblages comparatively independent of their connecting waterbodies. Thus they are typically at least 1,000 feet long. They can be connected to virtually any of the common waterbody types in the region. These systems are extensively flanked by wetlands and most of the meander belt will be dominated by wetland species. Most bends will touch wetlands, but outer banks of bends located at the extreme lateral bounds of the meander belt can flank uplands. If all bends flank extensive wetlands that dwarf the meander belt in lateral dimension, then the system would typically be classified as an unconfined FPZ instead.

East Fork Manatee UT1 - This location within the Duette Preserve has been used as a reference site for several years for AMEC's FIPR study. It scored acceptably by both HA and UMAM. It drains an area of 0.9 square mile containing a mix of land uses including flatwoods, regenerating pasture, pine silviculture and mixed hardwoods. It borders an area of pine flatwoods on one side and transitions to an area dominated by oaks on the other. Species present along the banks include buttonbush, laurel oak, saw palmetto, and cinnamon fern. The fire frequency appears to be appropriate for the habitat and managed by the County. This site has been continuously gaged by AMEC for several years.

Lower Myakka River UT2 - This site in the Myakka State Park has been used in the past as a reference site for a FIPR study. It drains an unditched 2.6 square mile watershed dominated by well-managed native dry prairie, emergent marsh

and gallery forest cover. The reference reach occurs within a gallery forest flanked by extensive pine savanna and includes live oak, cabbage palm, laurel oak, wax myrtle, viburnum, and palmetto. AMEC has continuously gaged this site for several years.

3.4 Reference Streams Site Selection Summary

Numerous sites were identified for further investigation during the desktop exercise. A minimum of 13 appropriate sites with reasonable assurance of long-term access are recommended herein for inclusion as reference reaches. A summary of the locations is provided in Table 3. The sites were selected to provide a meaningful range of drainage area sizes for each FPZ and to provide at least two examples for each FPZ.

Two previous FIPR study sites in Myakka State Park (Lower Myakka River UT2 and UT3), one on the Avon Park Air Force Range (Cypress Slash UT), and one in the Duette Preserve (East Fork Manatee UT1) have useful historical flow data and are currently equipped with functioning continuous stage recorders. The remaining sites should be equipped with similar instrumentation. AMEC has received preliminary permission to access and install monitoring stations at these parks.

Please note that permits from the FDEP and other governmental agencies may be required to install gauges in the streams. Also a research permit must be obtained for the sites in Myakka State Park. AMEC is currently updating our research permits for these sites. Up to three additional sites may be added to increase the inclusion of reference streams closer to the core of the Bone Valley phosphate district. Permission to access identified sites will be sought from the private property owners in the near future. If such access is granted, these sites could result in 16 total reference streams.

3.5 Reference Stream Monitoring Plan

The SRP provides an overview of stream monitoring and the FDEP ERP provides the minimum requirements. This submittal supplements those fundamental components, providing information regarding the frequency of monitoring and some necessary additional details.

Each reference stream will be equipped with a continuous stage recorder in the form of a data logging pressure transducer, with barometric corrections made using an aerial transducer located within a 25-mile radius of the site. A gage plate will be attached to the recorder's standpipe. Stage will be recorded on 15-minute intervals for a period of at least one year and will be reported as a daily average. The bankfull stage will be established for each site using a total station or equivalent

surveying equipment. Elevations will be tied to a local datum memorialized by at least two temporary benchmarks (nails in trees or rebar in the ground).

Each reference stream will be topographically surveyed one time in accordance with the reference reach procedures described in Harrelson et al. 1994 to establish its geomorphology (bankfull slope, width, riffle depths, pool depths, width to depth (W/D) ratio, and entrenchment).

Each site will have its habitat mapped consistent with FDEP HA procedures (FDEP SOP, FT 3100) for the bankfull condition (even if unwetted at the time of survey). The FDEP HA will also be conducted for just the wetted perimeter during the time of macroinvertebrate and fish sampling event(s). The FDEP HA will be conducted in accordance with the version in force during June 15, 2013.

At least one collection will be made of fish and macroinvertebrates per site. The collection will occur from mid-August through mid-September in a year where the cumulative antecedent rainfall (as reflected by existing rainfall gages within 25 miles of the site or by interpretation of more localized Doppler rainfall data) falls within the 25th and 75th percentiles of the long-term (20 year) record for May through July. The objective is to collect faunal data from a relatively normal wet season, after the fauna have had much of the wet season to utilize the site.

Macroinvertebrate collections will follow those of FDEP SOP, FS 7420, with the exception that the antecedent flow conditions may not always be met and some of the streams may be less than the requisite 100 meters. If less than 100 meters, the entire segment reach length will be sampled. Taxonomy will be determined consistent with FDEP SOP, LT 7200. However, if the requisite minimum number of individuals is not present, the taxonomy will still be determined. It is not the intention to precisely replicate the FDEP SCI protocols, which were developed for perennial streams, but to adapt appropriate metrics to non-perennial systems as a means to generate a standardized method to deploying dip-net sample collection. The FDEP methods cited are the versions in force during June 15, 2013.

Fish collections will also be made at a minimum of once per site under the same antecedent rainfall conditions and mid-August to mid-September timeframe required for the macroinvertebrates. Fish collections will be made over a channel length equivalent to at least 20 times the bankfull width using a backpack electric fisher. The sample area will be isolated using nets at both ends, crossing the entire flow way. Sampling will only occur when the flow is confined within the banks. Each individual specimen collected will be counted and assigned to the lowest possible taxon. Fish and macroinvertebrate collection areas will be conducted within separate portions of the stream segment if its length allows. If not, they will be separated in time by at least one day with the macroinvertebrate sample occurring first.

Water quality will be sampled immediately prior to the faunal collections at the downstream end of the collection reach. A grab sample using field meters will be made of dissolved oxygen, temperature, turbidity, and specific conductance.

4.0 REPORTING

Monitoring results will be reported to the Bureau of Mining and Minerals Regulation.

5.0 LITERATURE CITED

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