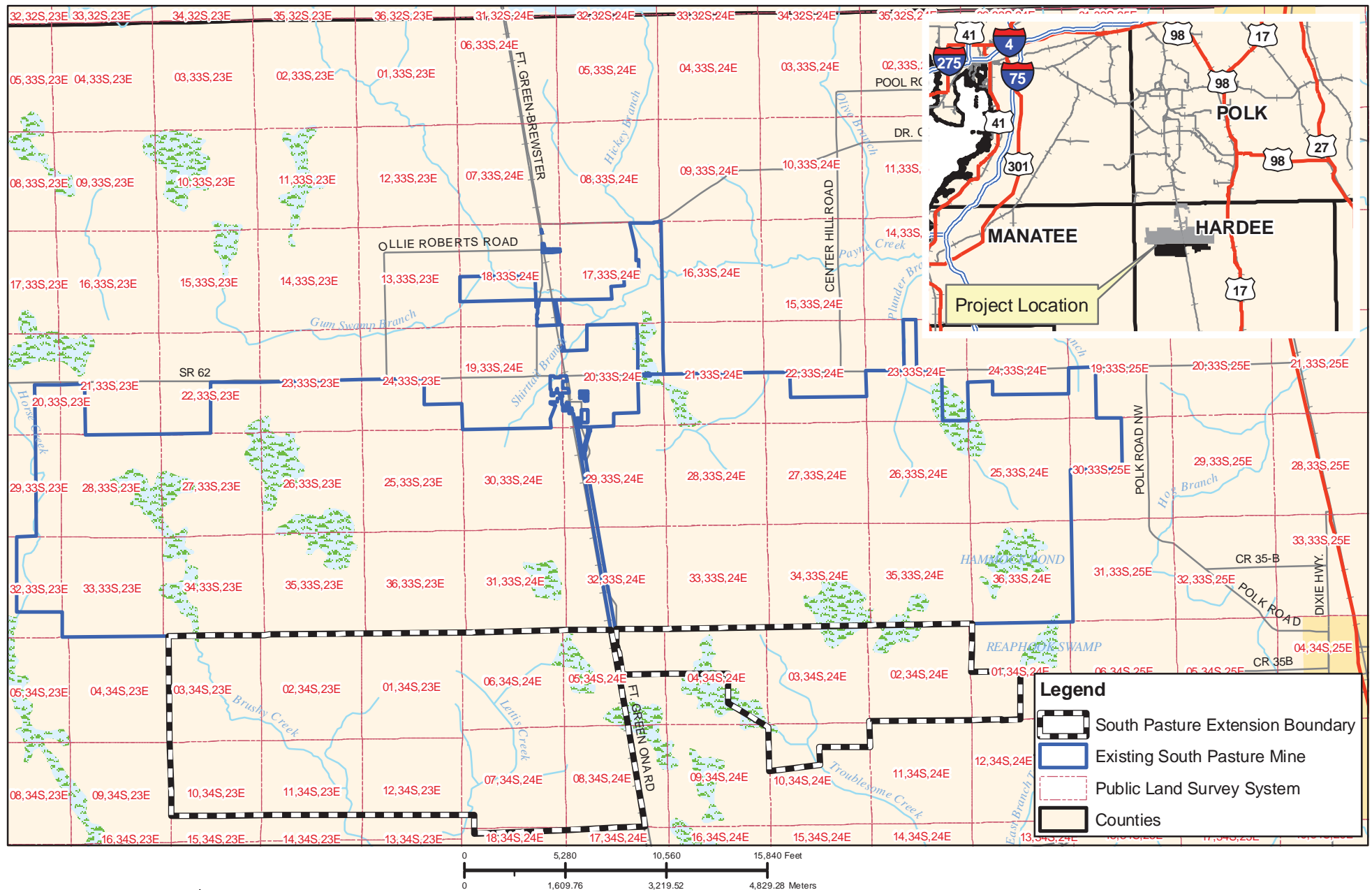


Department of the Army
Permit Number SAJ-1993-01395 (SP-JPF)

Attachment A



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Figure C-1 Location Map

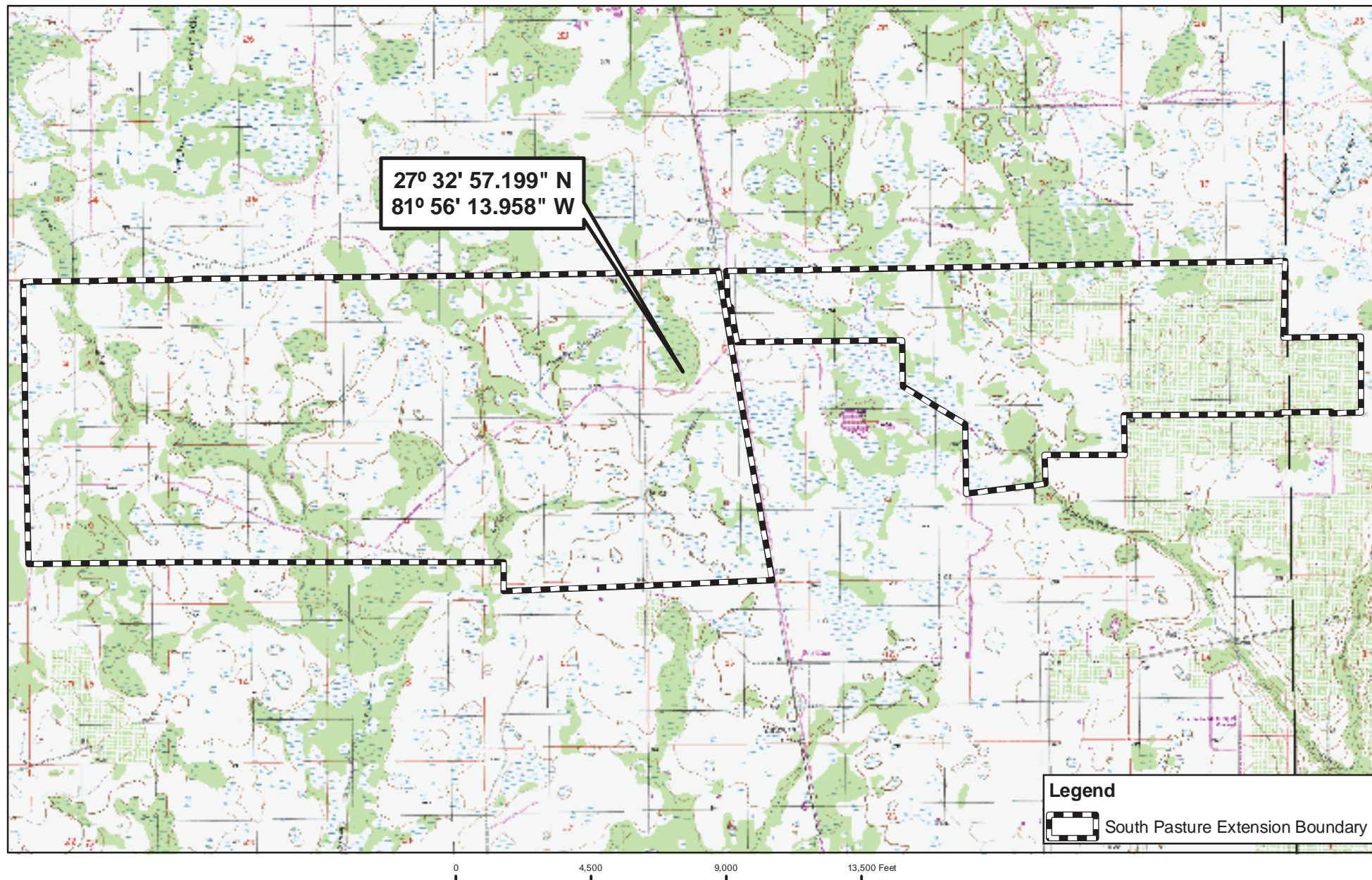
**CF Industries South Pasture Extension
Hardee County, FL**



3905 Crescent Park Drive
Riverview, FL 33578-3625 ph. (813) 664-4500
fx (813) 664-0440

www.entrix.com

Coordinate System:
NAD 1983 UTM Zone 17N feet



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Figure C-2 - Quad Map
CF Industries South Pasture Extension
Hardee County, FL



Image: FT. GREEN



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Riverview, FL 33578-3625

ph. (813) 664-4500
fx (813) 664-0440

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Coordinate System:
NAD 1983 UTM Zone 17N feet

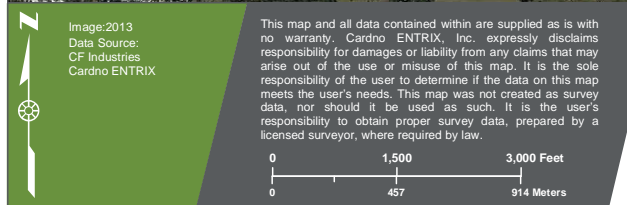
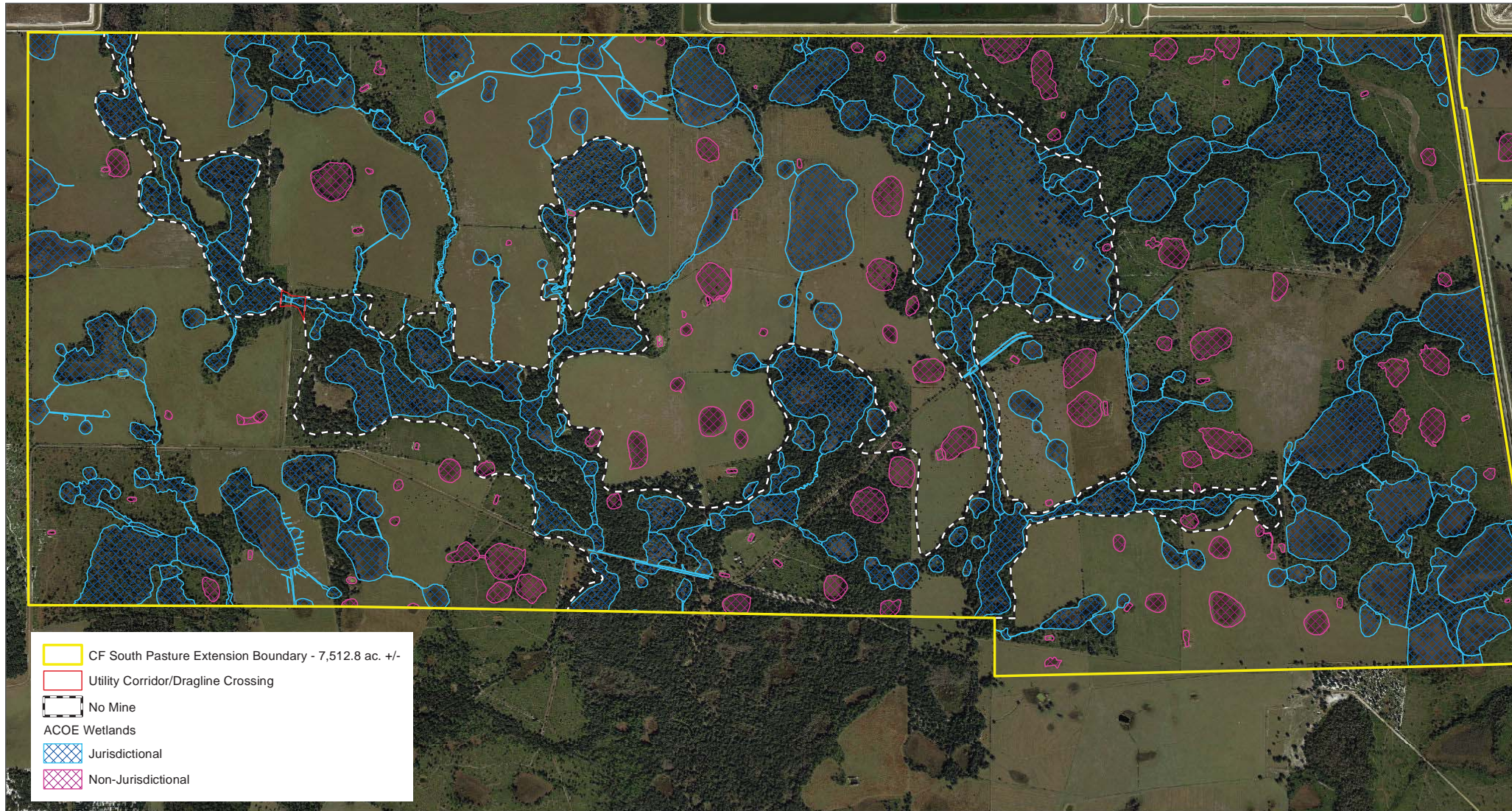


Figure 3A
ACOE Jurisdictional / Non-Jurisdictional Wetlands

Compensatory Mitigation Plan
CF Industries South Pasture Extension
Hardee County, FL



3905 Crescent Park Drive, Riverview, FL 33578 USA
Phone (+1) 813-664-4500 Fax (+1) 813-664-0440
www.cardnoentrix.com

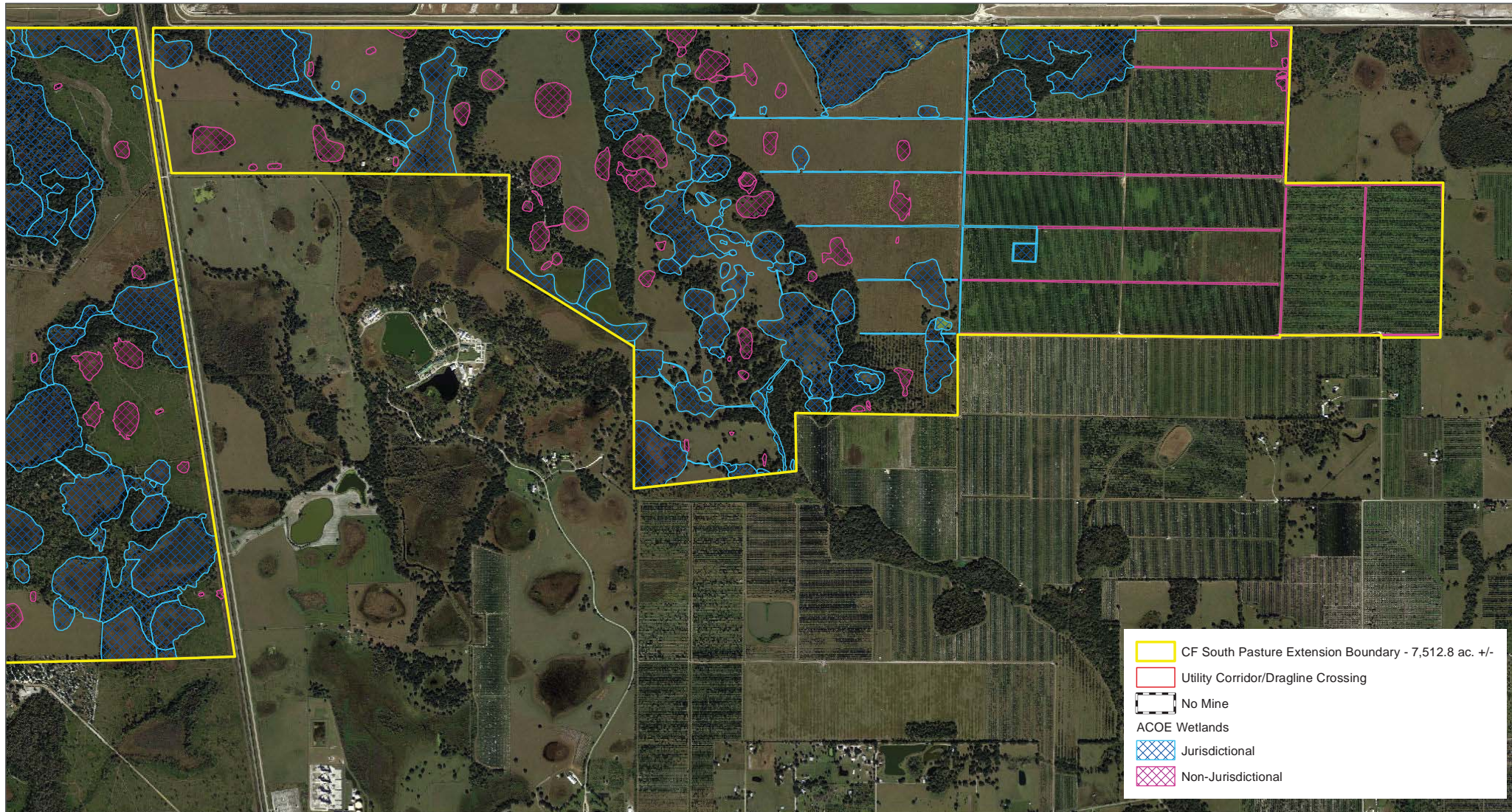


Image: 2013
Data Source:
CF Industries
Cardno ENTRIX

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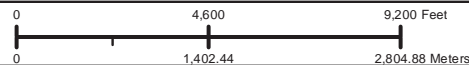
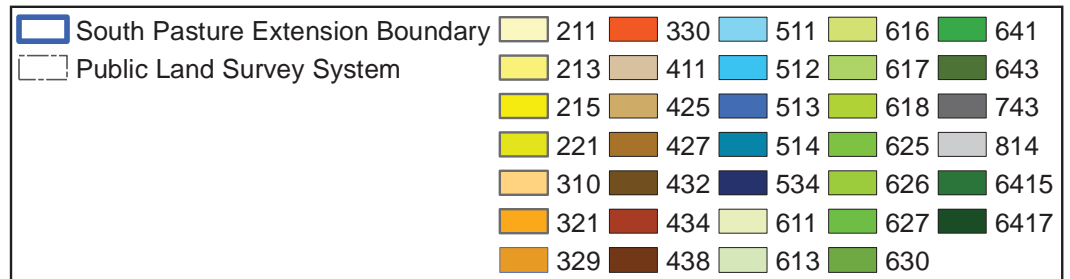
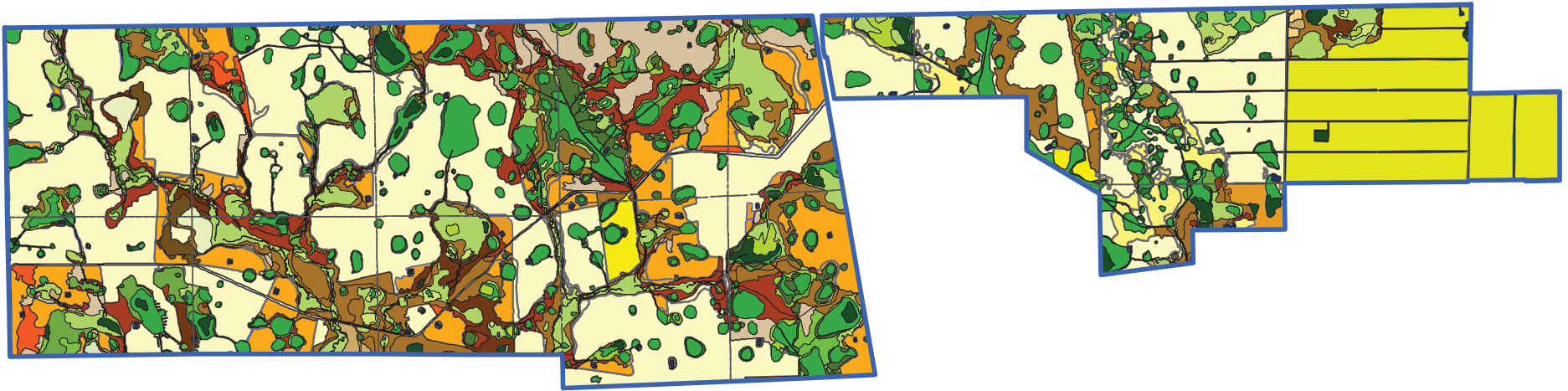
0 1,500 3,000 Feet
0 457 914 Meters

Figure 3B
ACOE Jurisdictional / Non-Jurisdictional Wetlands

Compensatory Mitigation Plan
CF Industries South Pasture Extension
Hardee County, FL



3905 Crescent Park Drive, Riverview, FL 33578 USA
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Figure EN-7 Existing Land Use
CF Industries South Pasture Extension
Hardee County, FL



Image: N/A

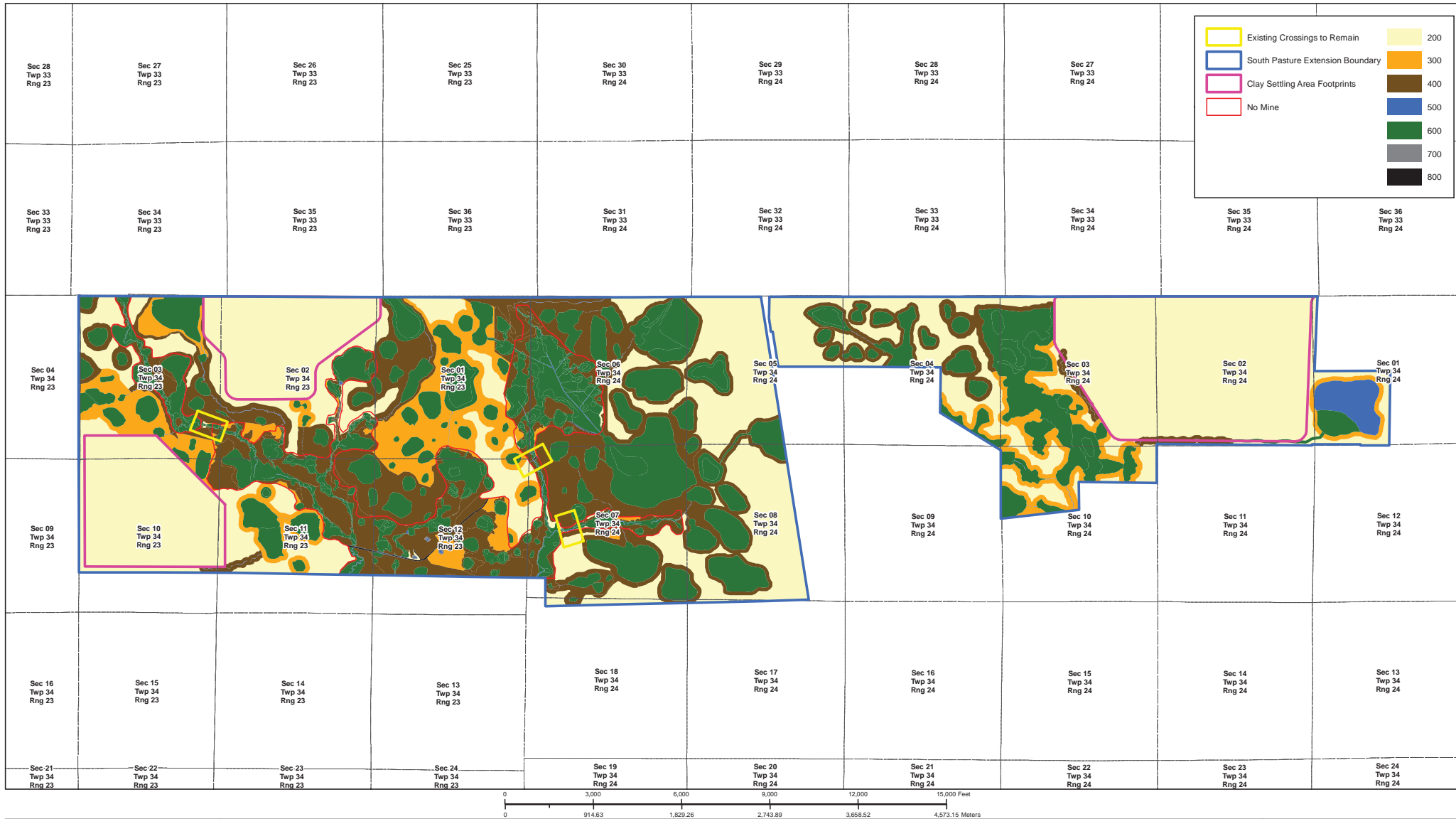
Center Sec 29
Twp 33 S
Rng 24 E



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Riverview, FL 33578-3625
ph. (813) 664-4500
fx (813) 664-0440

www.cardnoentrix.com

Coordinate System:
NAD 1983 UTM Zone 17N feet



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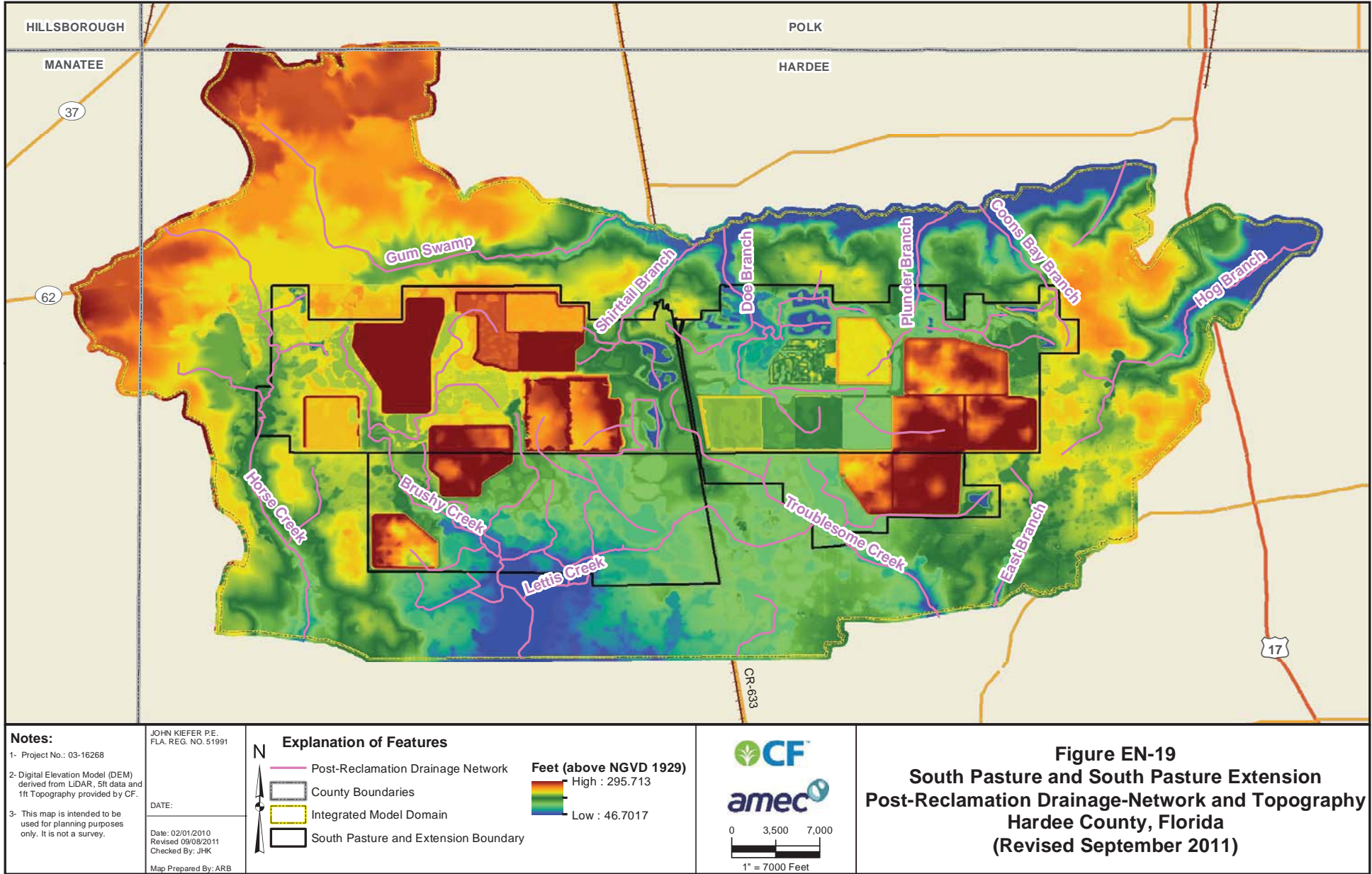
Figure RP-3 Post-Reclamation Land Use
CF Industries
South Pasture Extension
Hardee County, FL

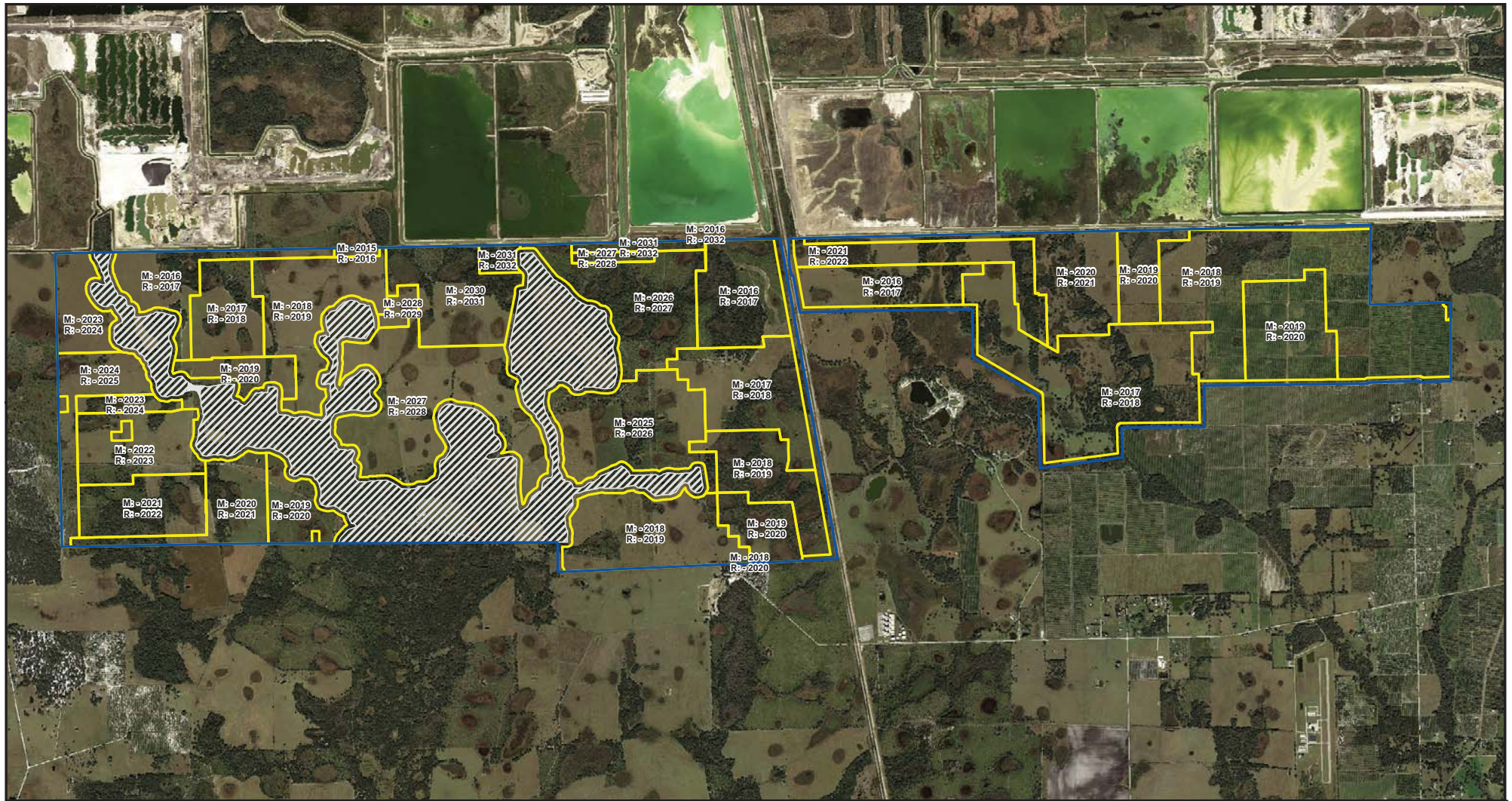


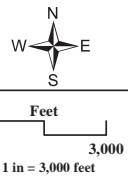
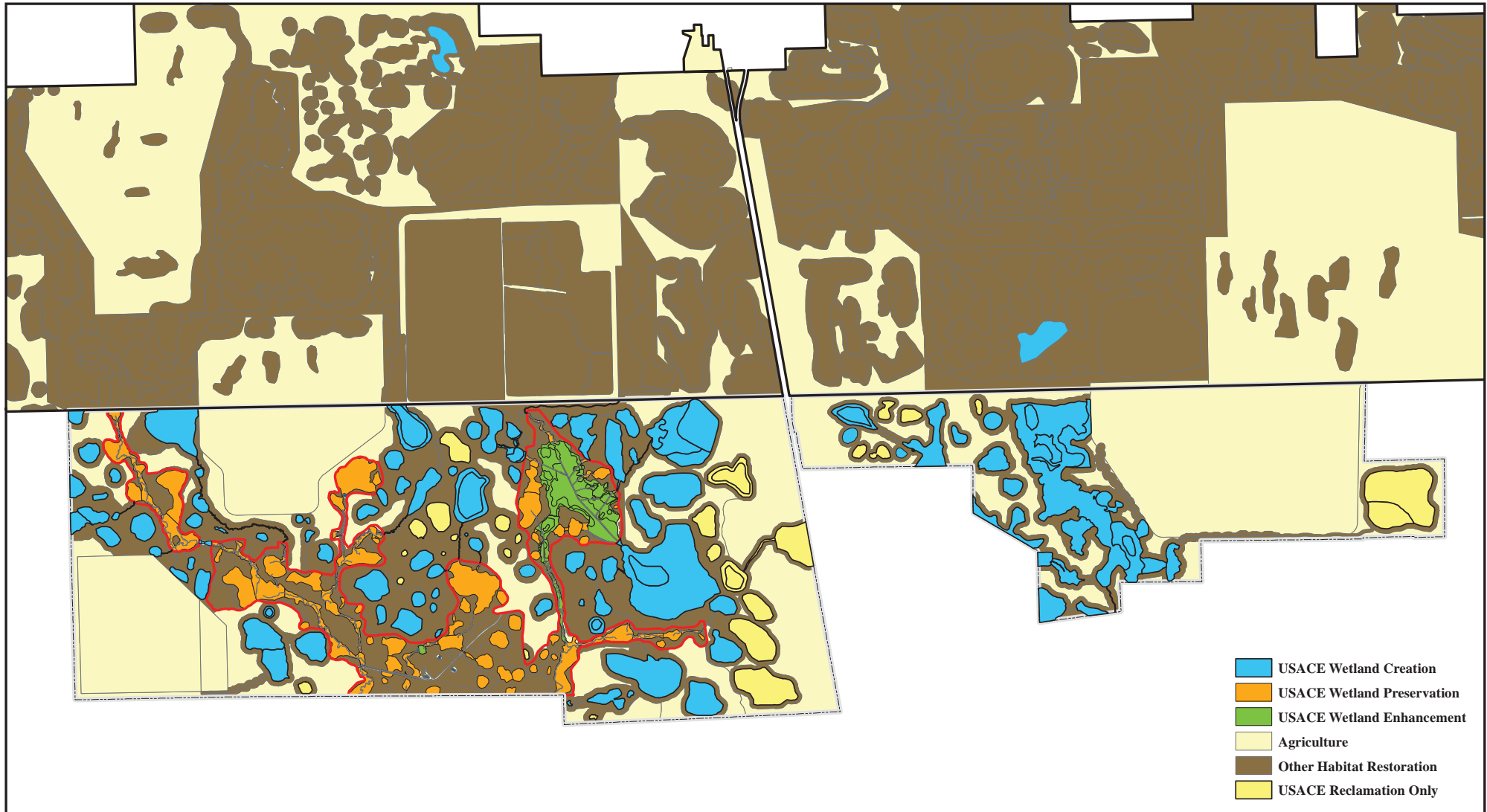
3905 Crescent Park Drive
 Riverview, FL 33578-3625
 ph. (813) 664-4500
 fx (813) 664-0440

www.entrix.com

Coordinate System:
 NAD 1983 UTM Zone 17N feet







MOSAIC FERTILIZER, LLC.
SOUTH PASTURE EXTENSION

HARDEE COUNTY, FLORIDA

added_creation_07212016

South Pasture Mine

South Pasture Extension

No Mine Boundary

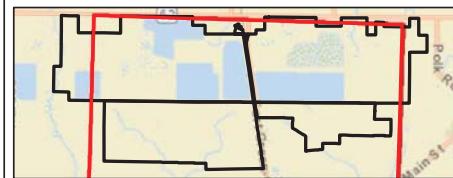


FIGURE 1
USACE
WETLAND
MITIGATION
MAP





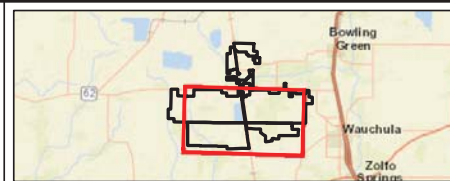
Feet
0 3,000
1 in = 3,000 feet

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

HARDEE COUNTY, FLORIDA

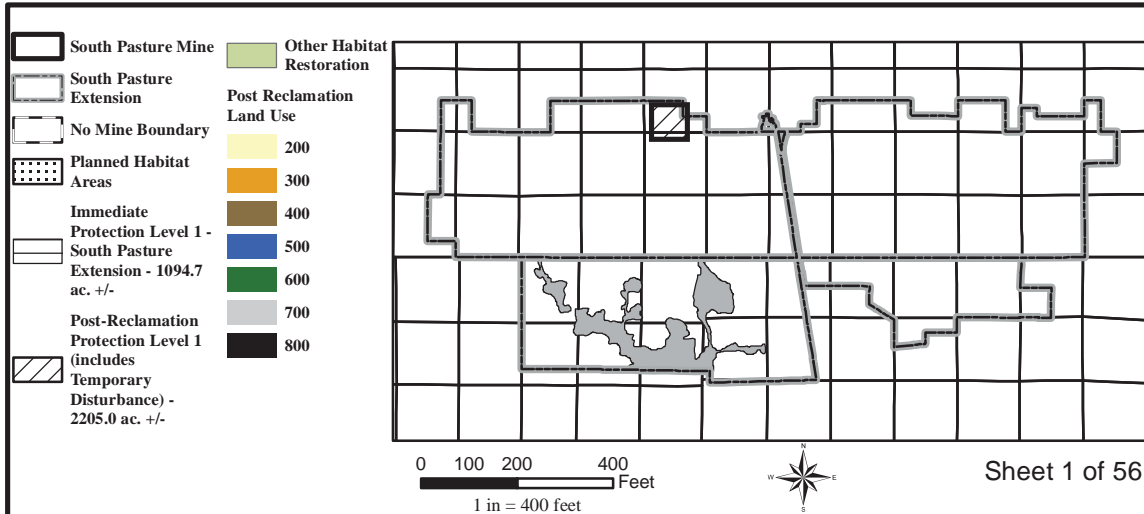
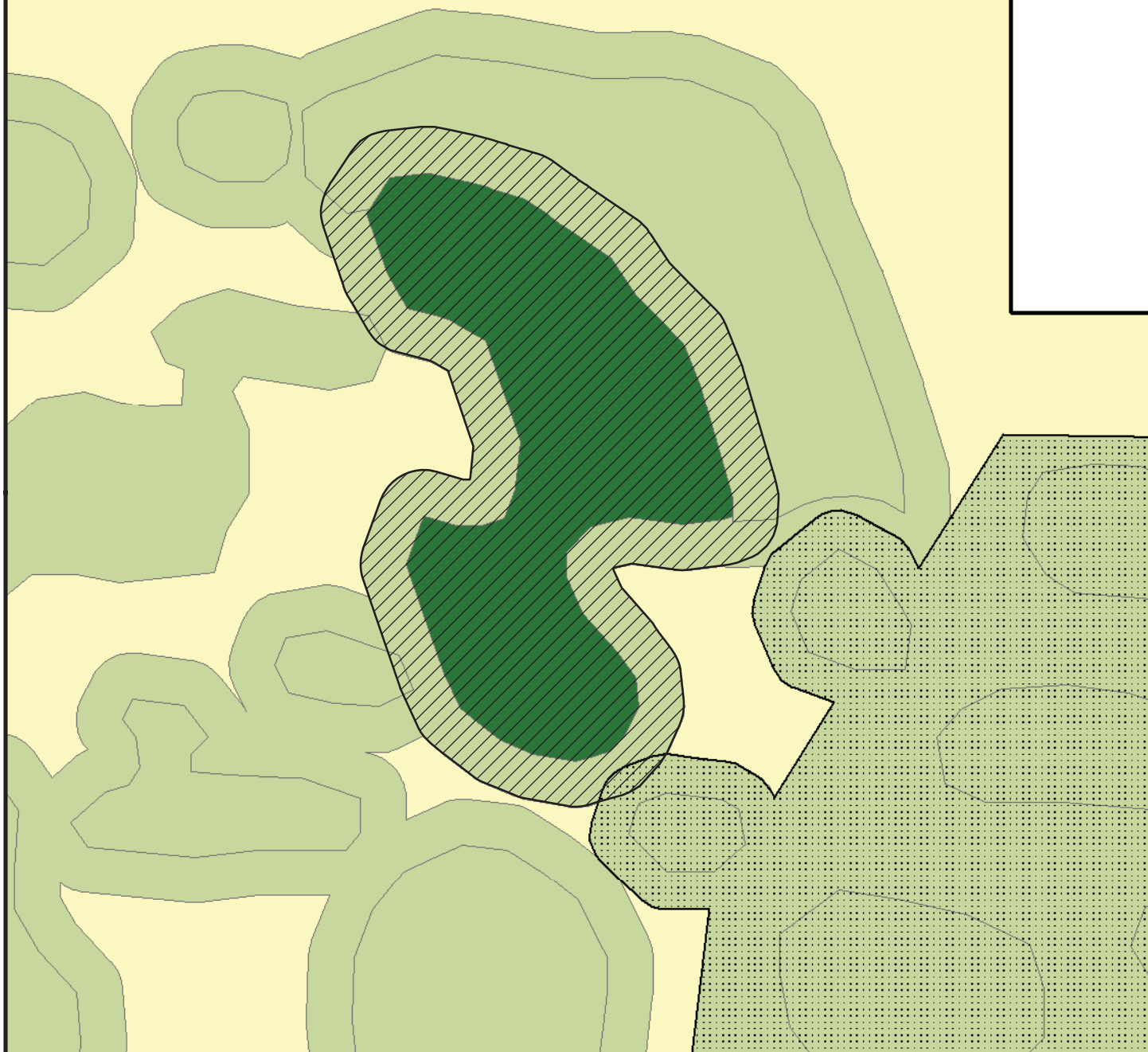
- South Pasture Extension
- South Pasture Mine
- No Mine Boundary

Source: Dec. 2014 Mosaic Imagery

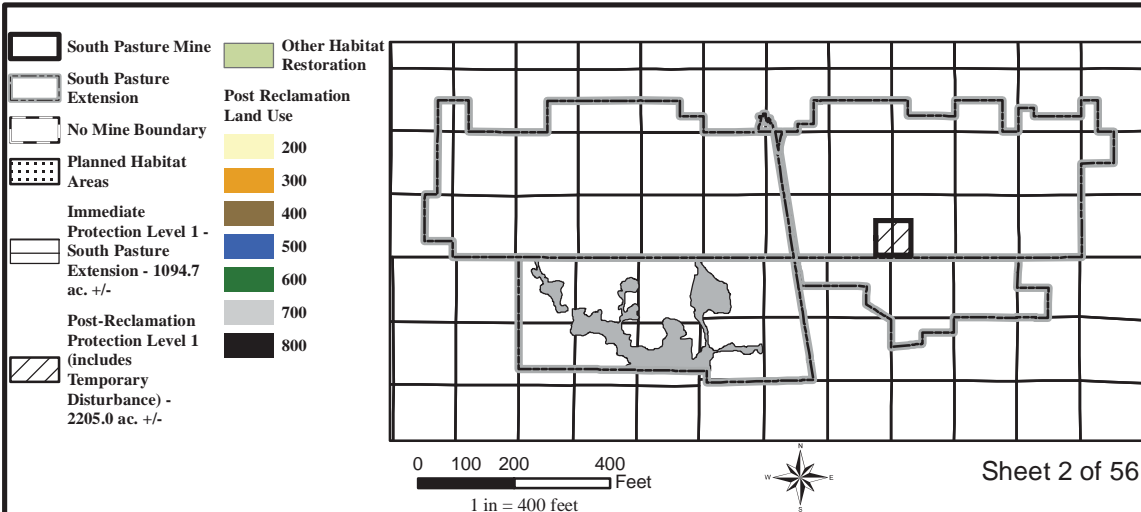
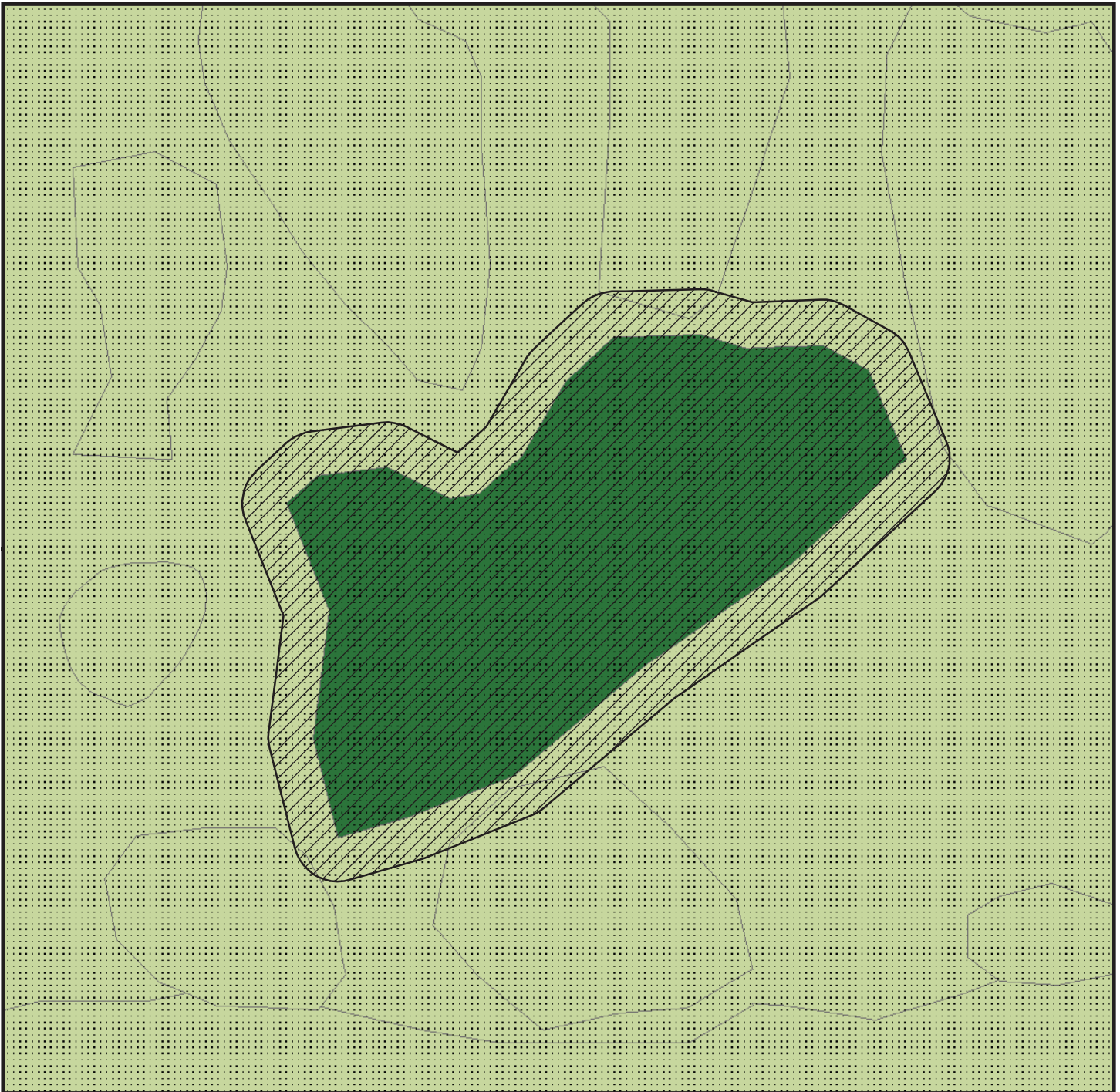


**FIGURE 2
PROPOSED
PROTECTION LEVELS
TO UPDATE THE CMP**

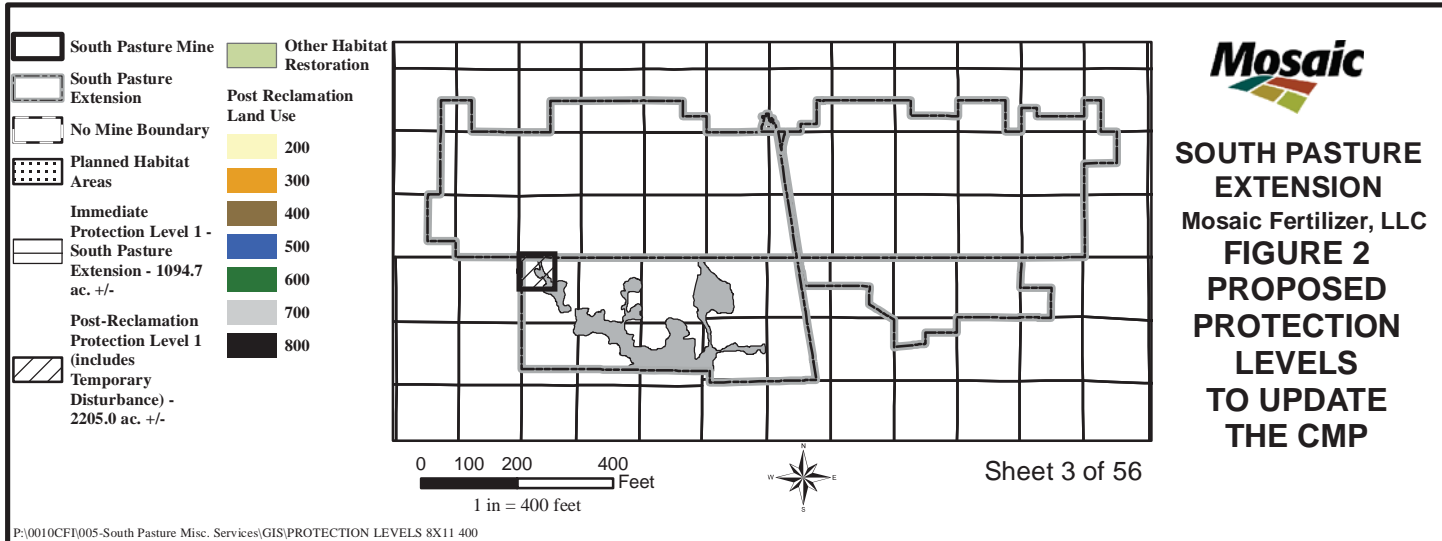
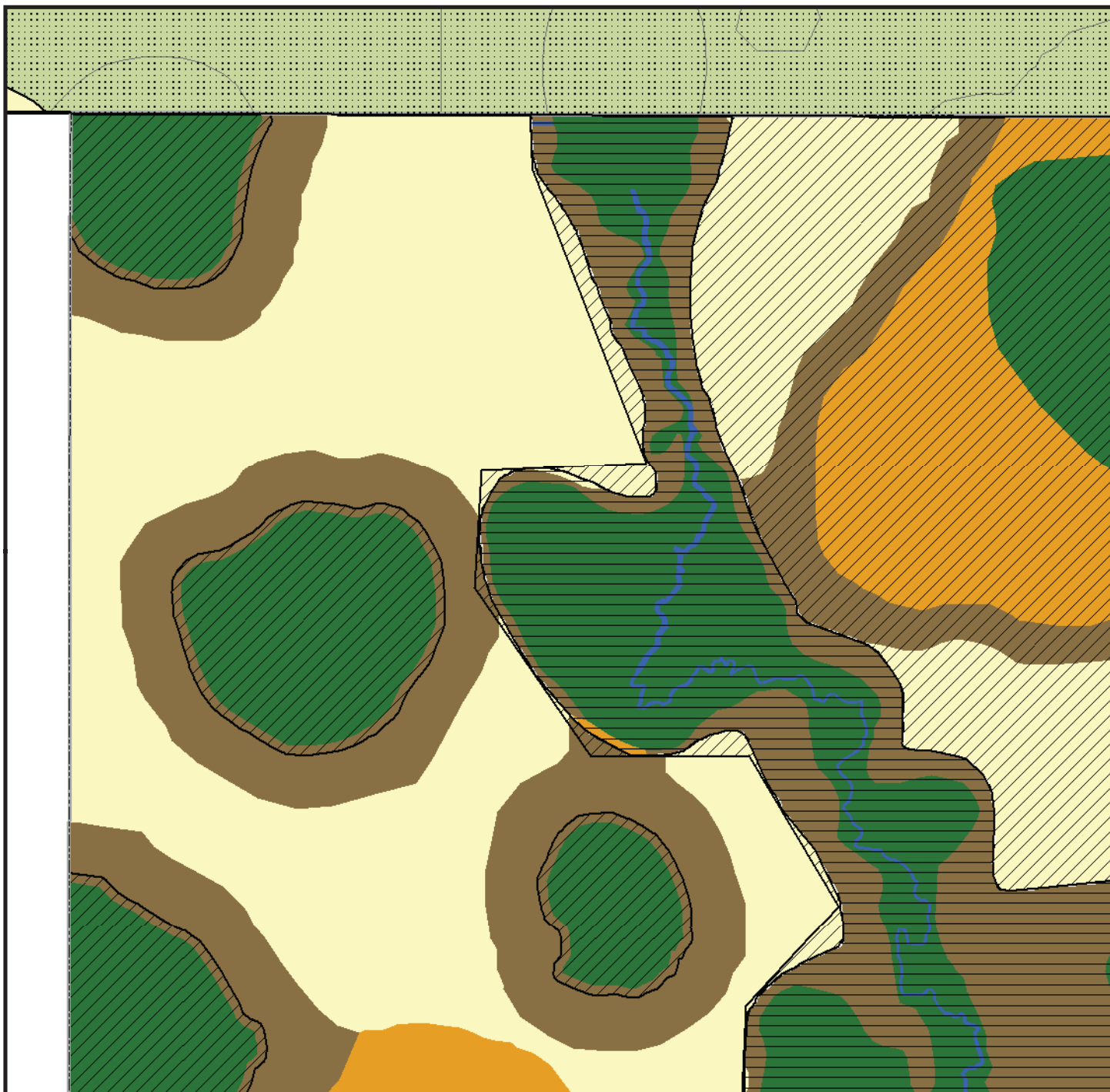


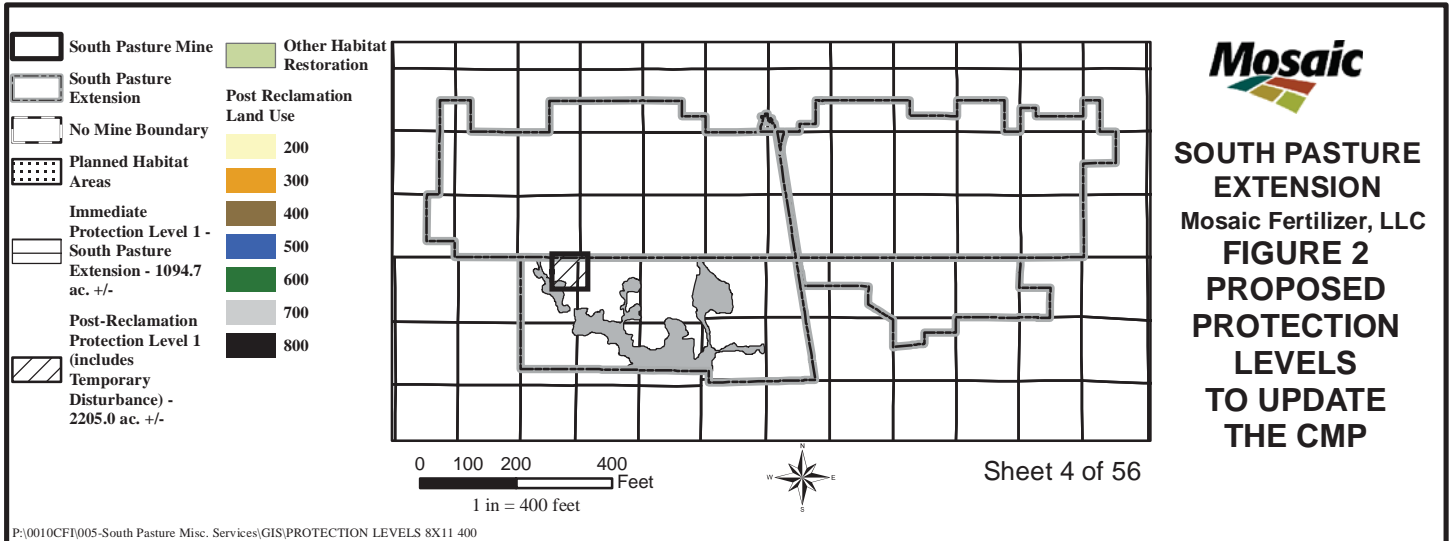
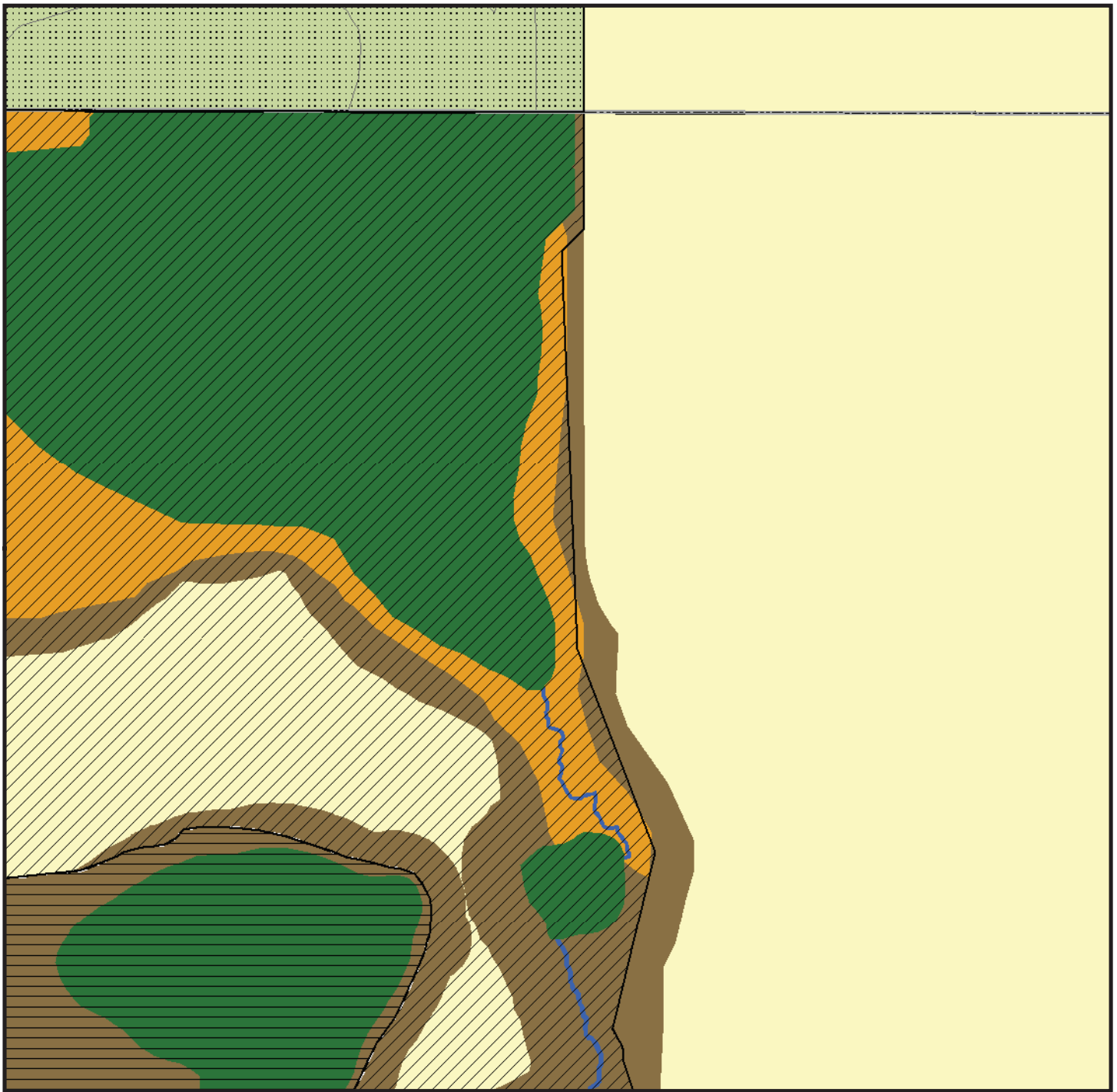


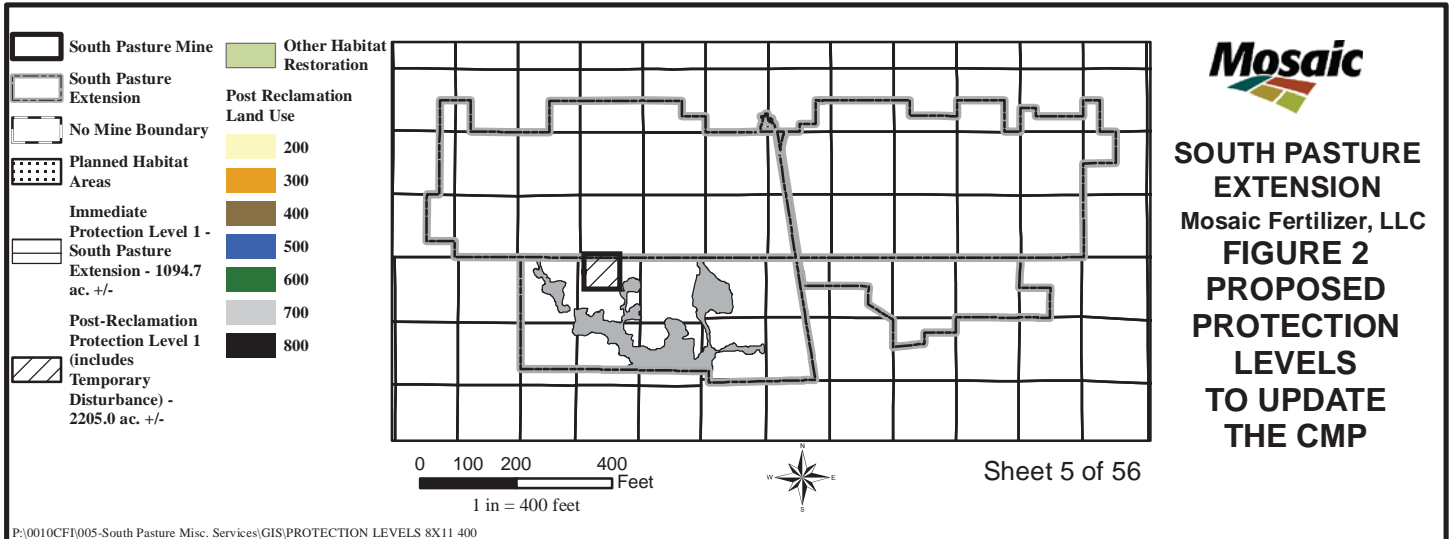
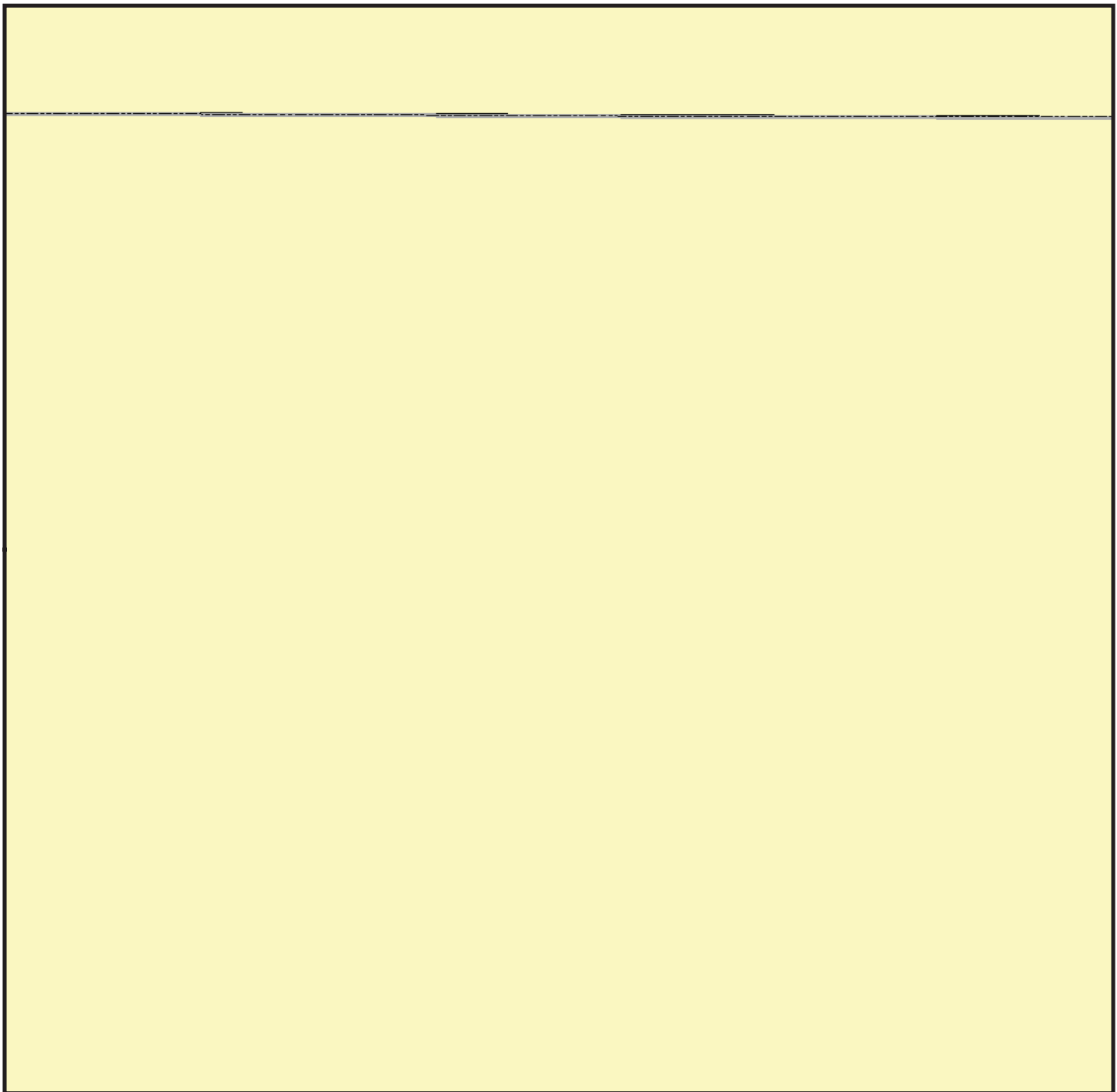
**SOUTH PASTURE
EXTENSION**
Mosaic Fertilizer, LLC
**FIGURE 2
PROPOSED
PROTECTION
LEVELS
TO UPDATE
THE CMP**

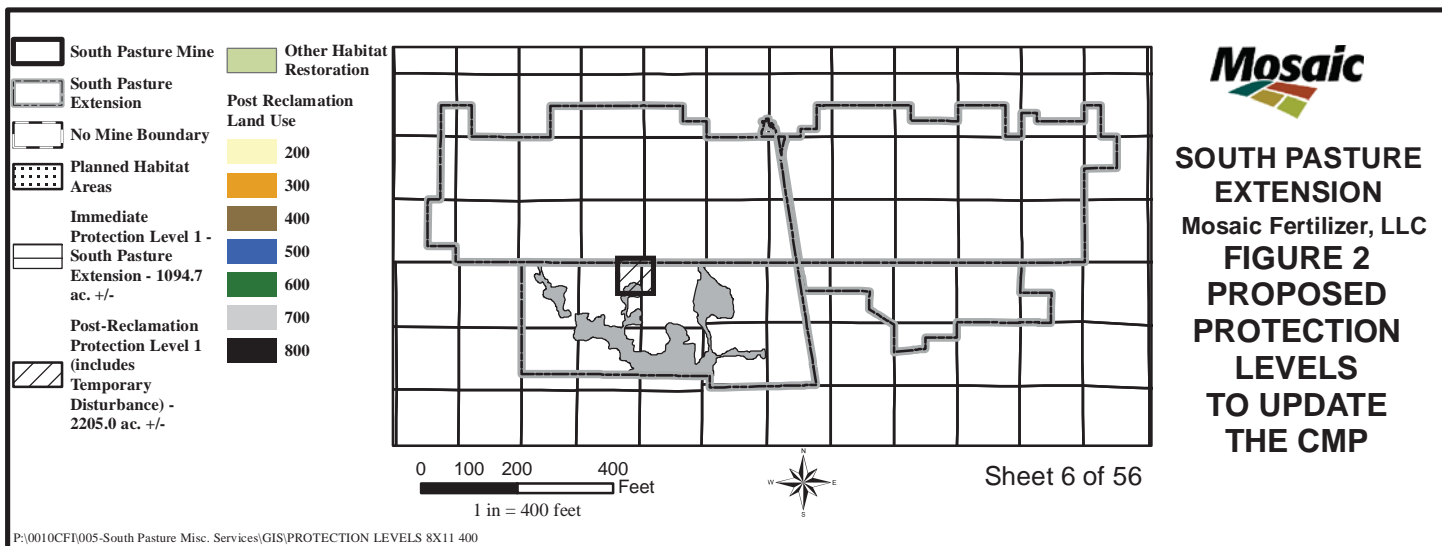
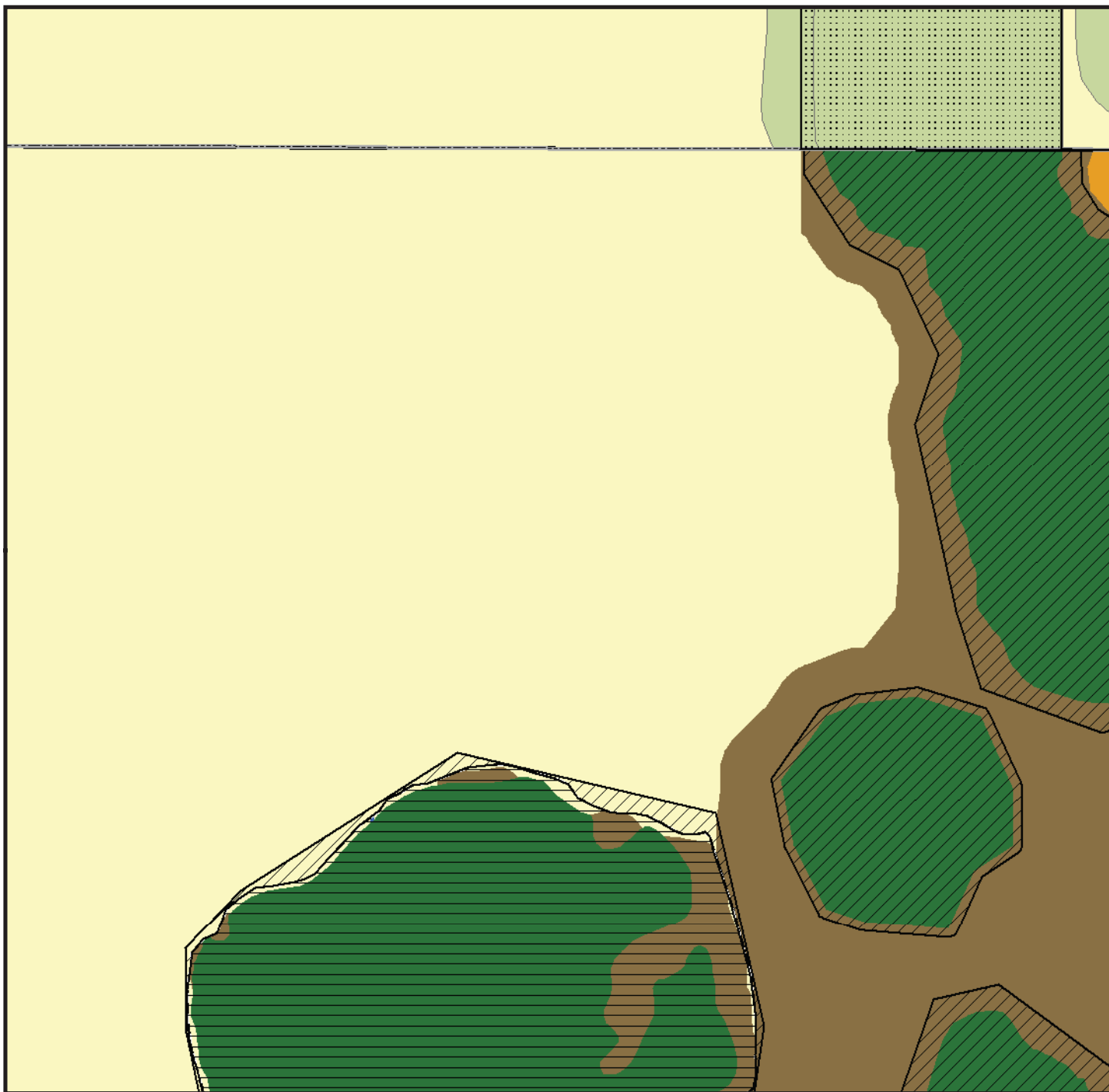


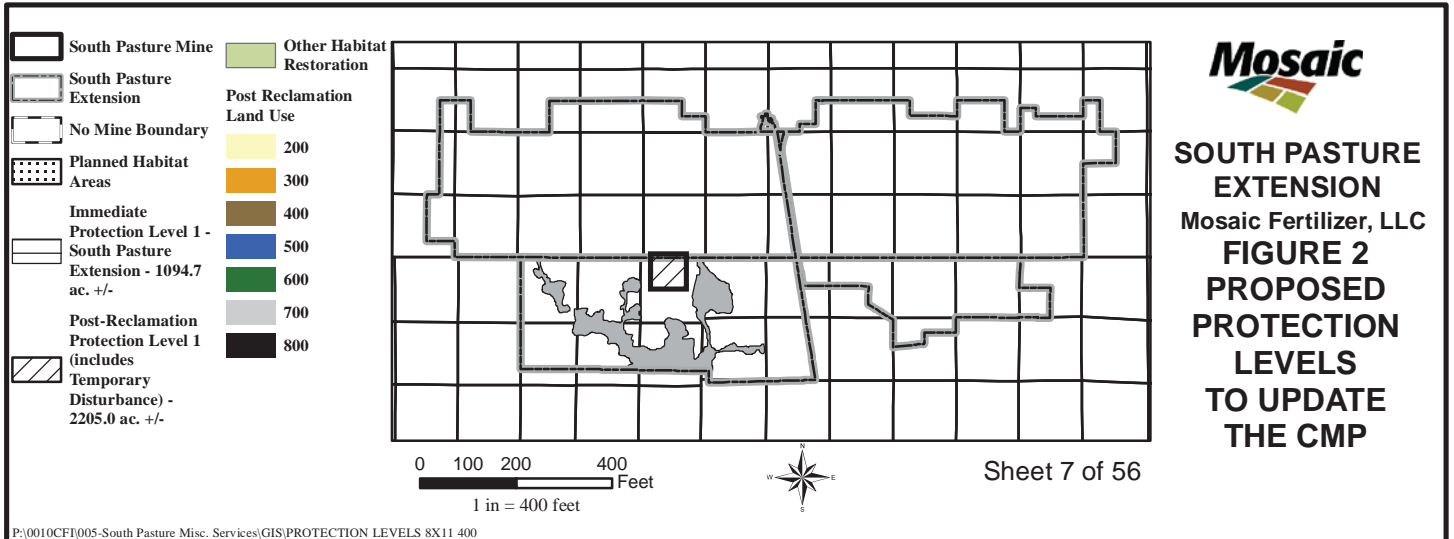
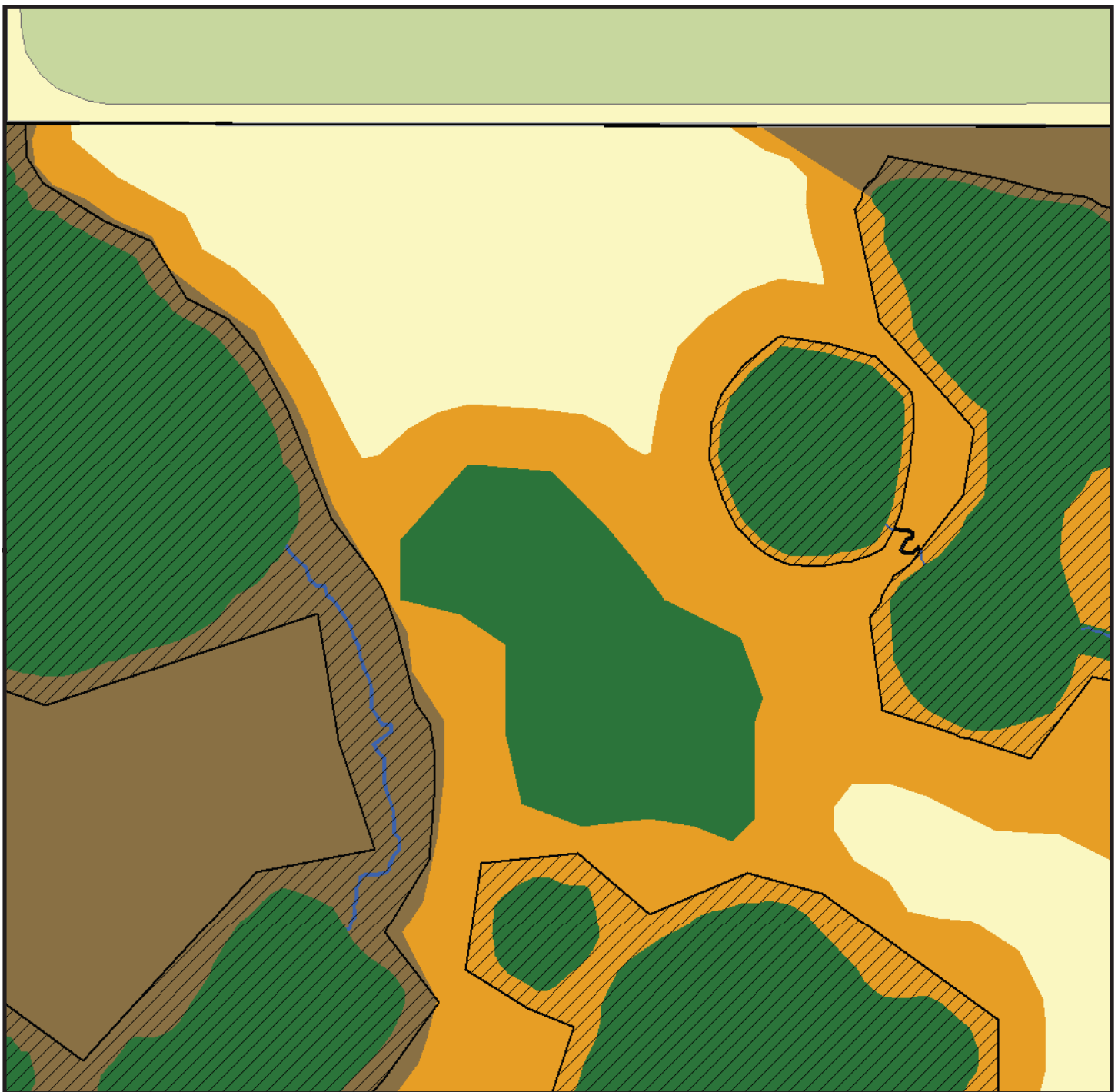
**SOUTH PASTURE
EXTENSION**
Mosaic Fertilizer, LLC
**FIGURE 2
PROPOSED
PROTECTION
LEVELS
TO UPDATE
THE CMP**

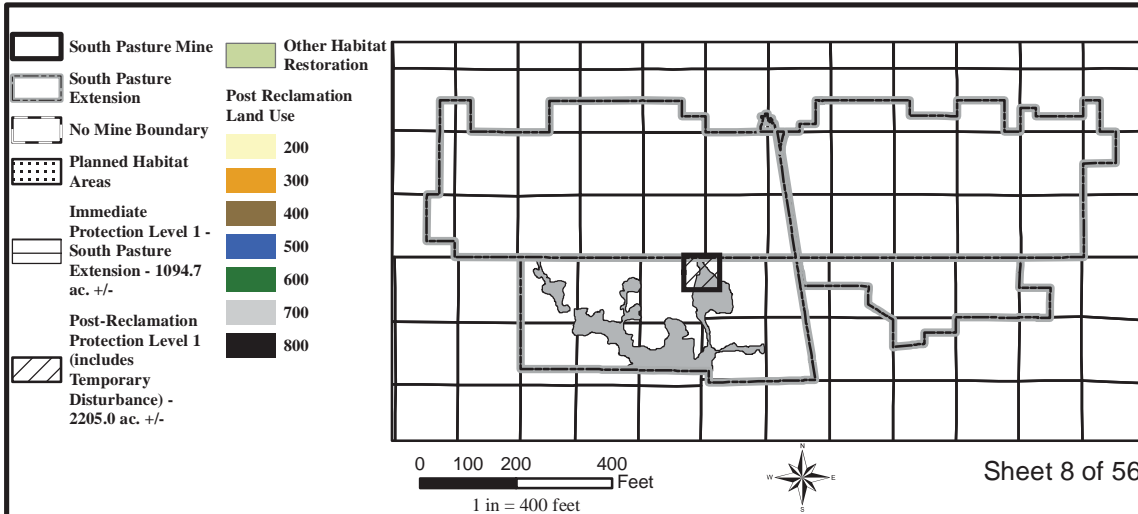
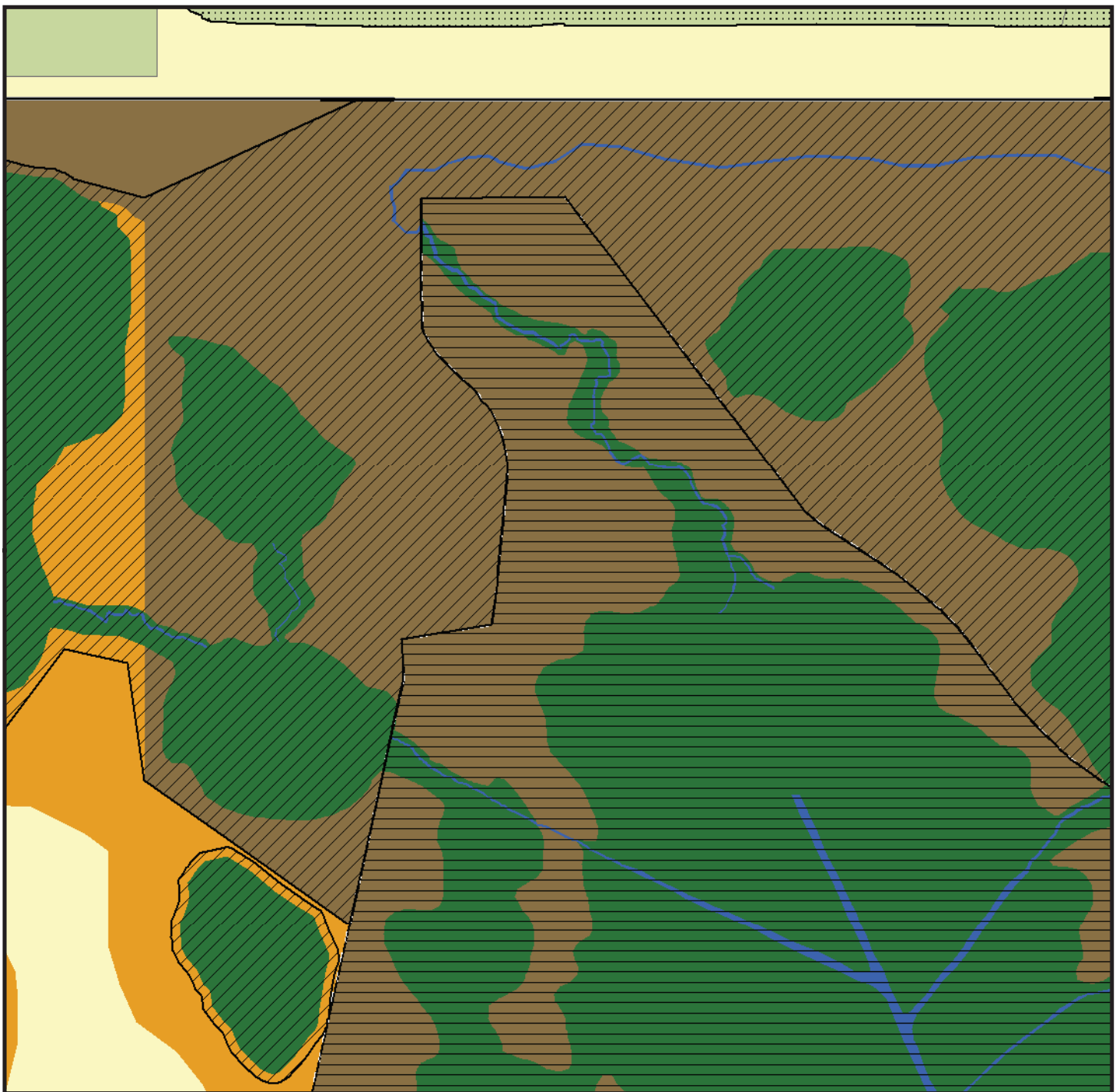






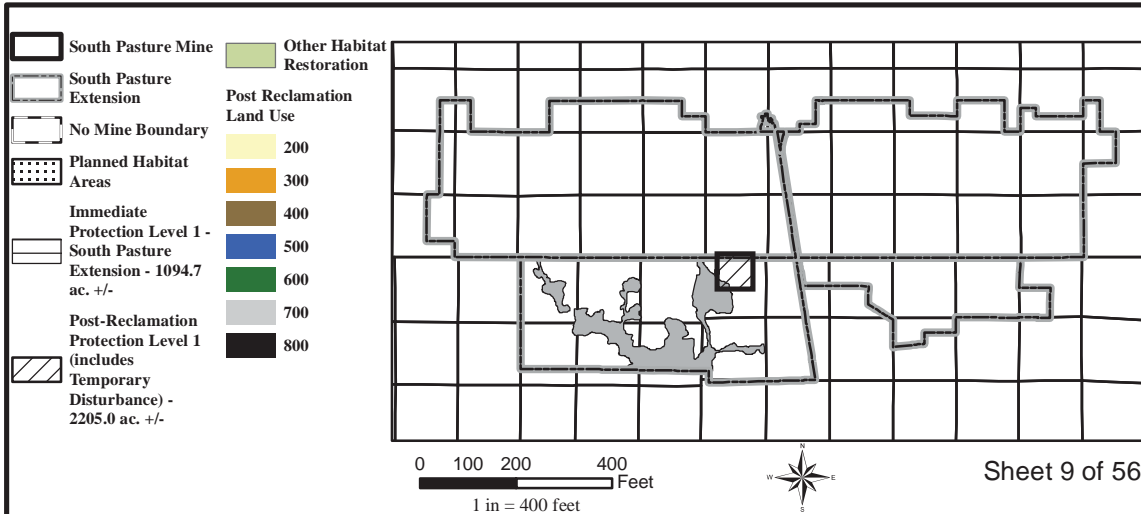
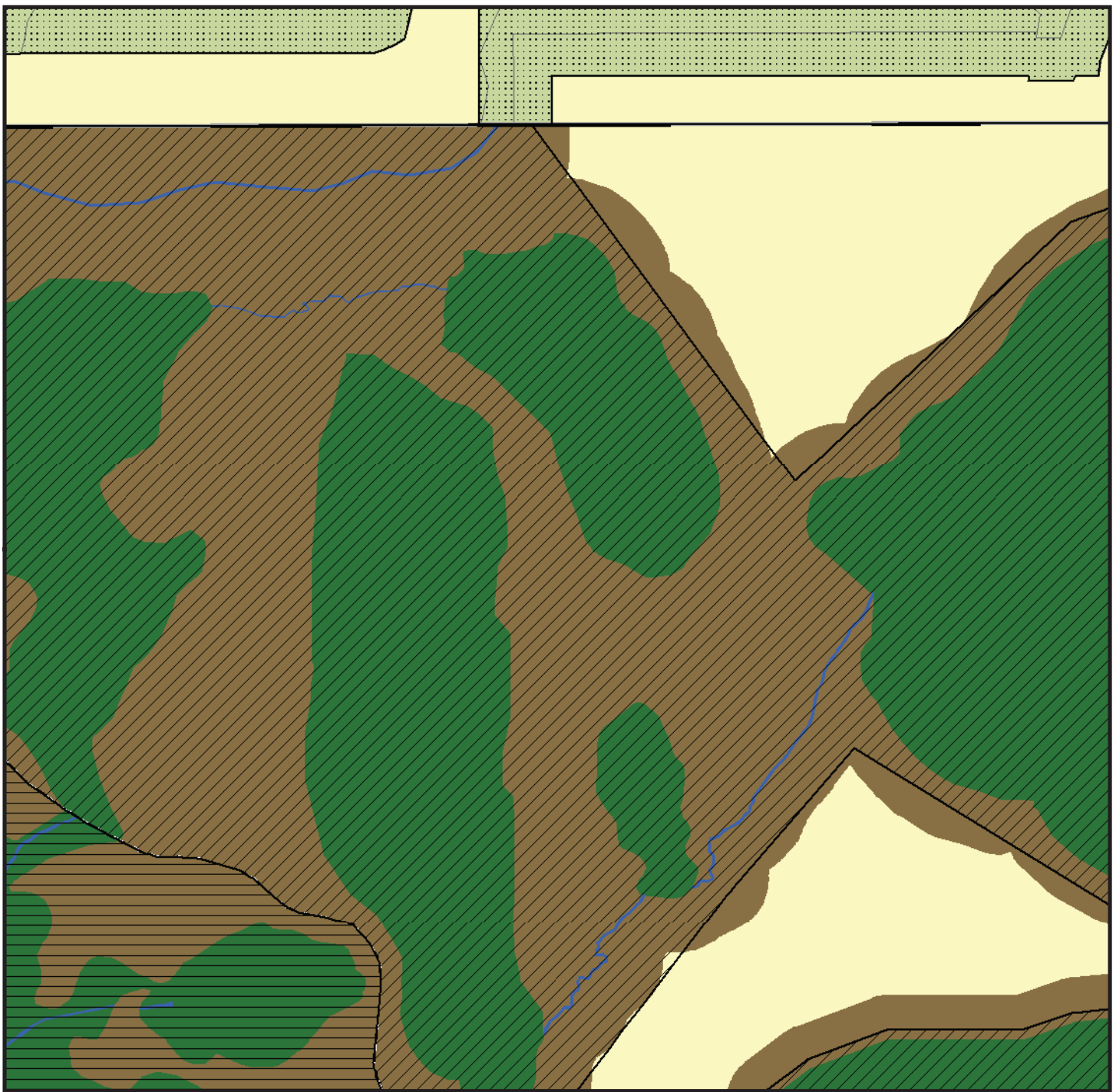






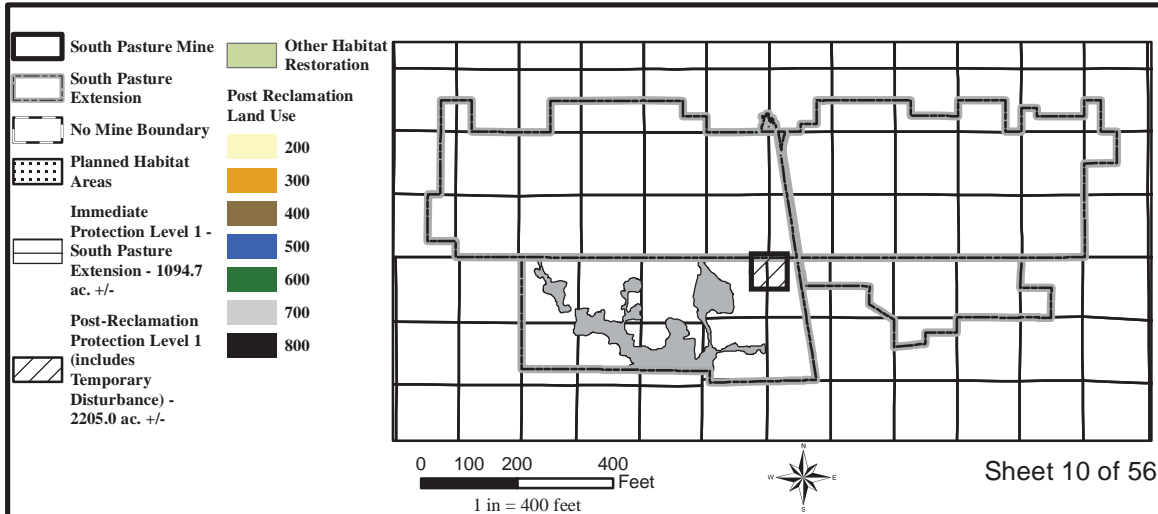
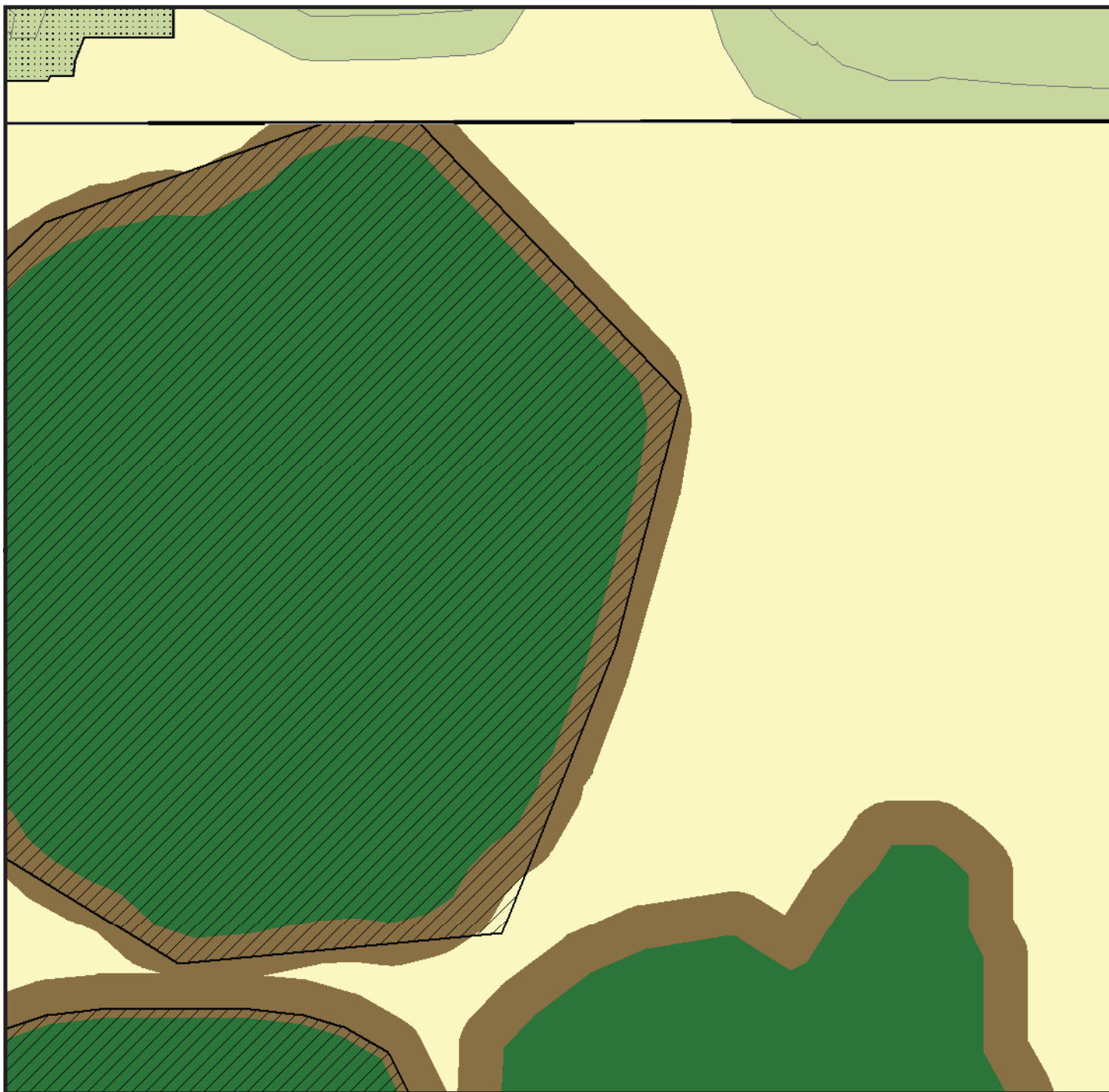
**SOUTH PASTURE
EXTENSION**
Mosaic Fertilizer, LLC
**FIGURE 2
PROPOSED
PROTECTION
LEVELS
TO UPDATE
THE CMP**

Sheet 8 of 56

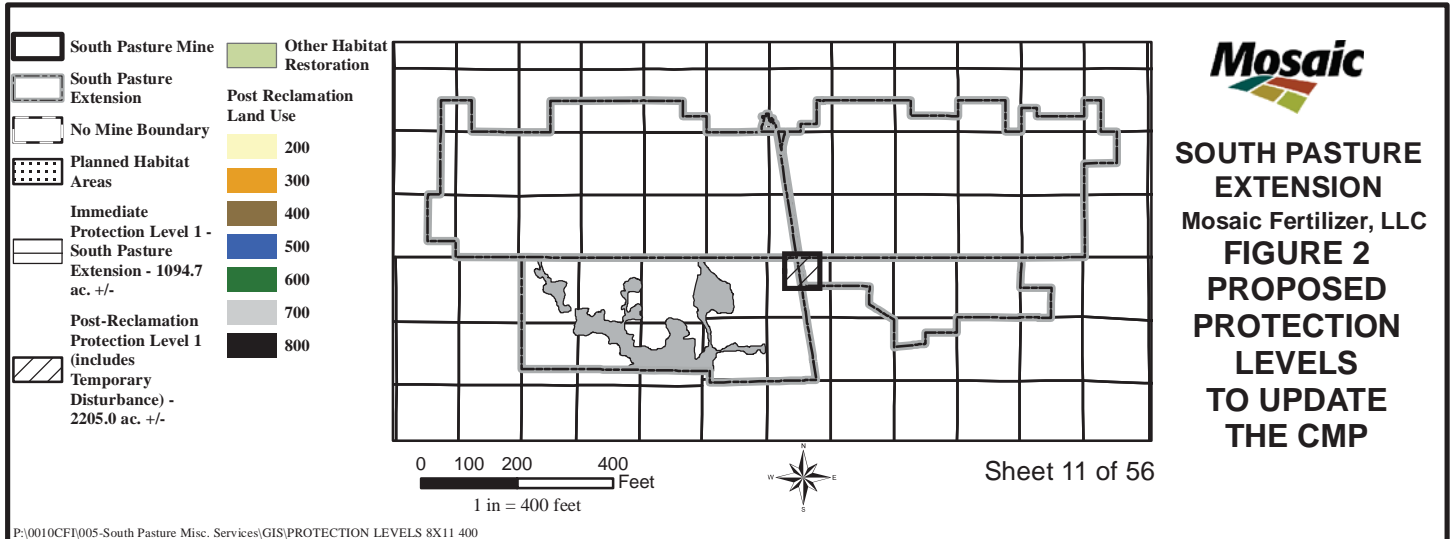


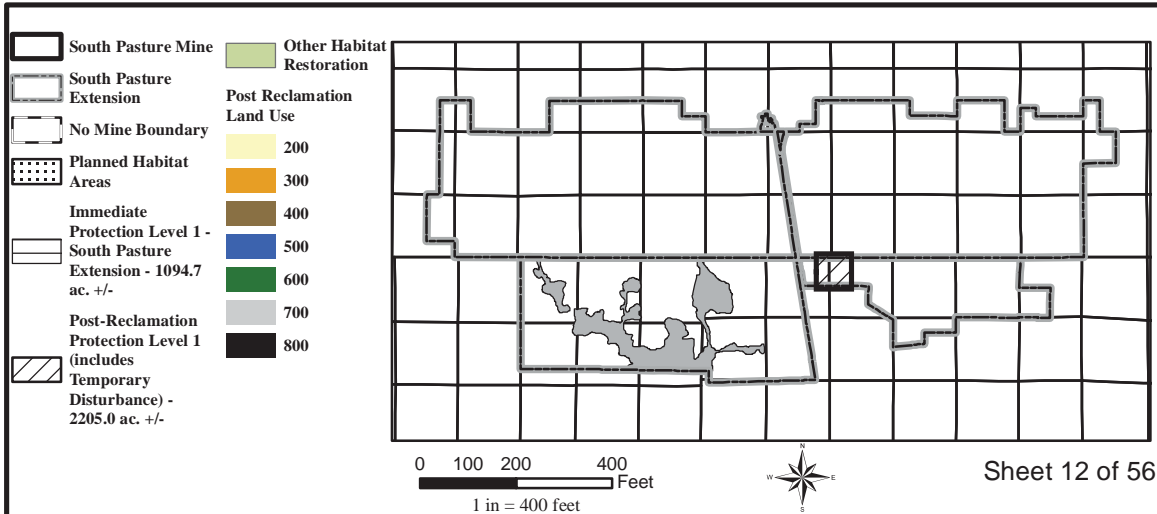
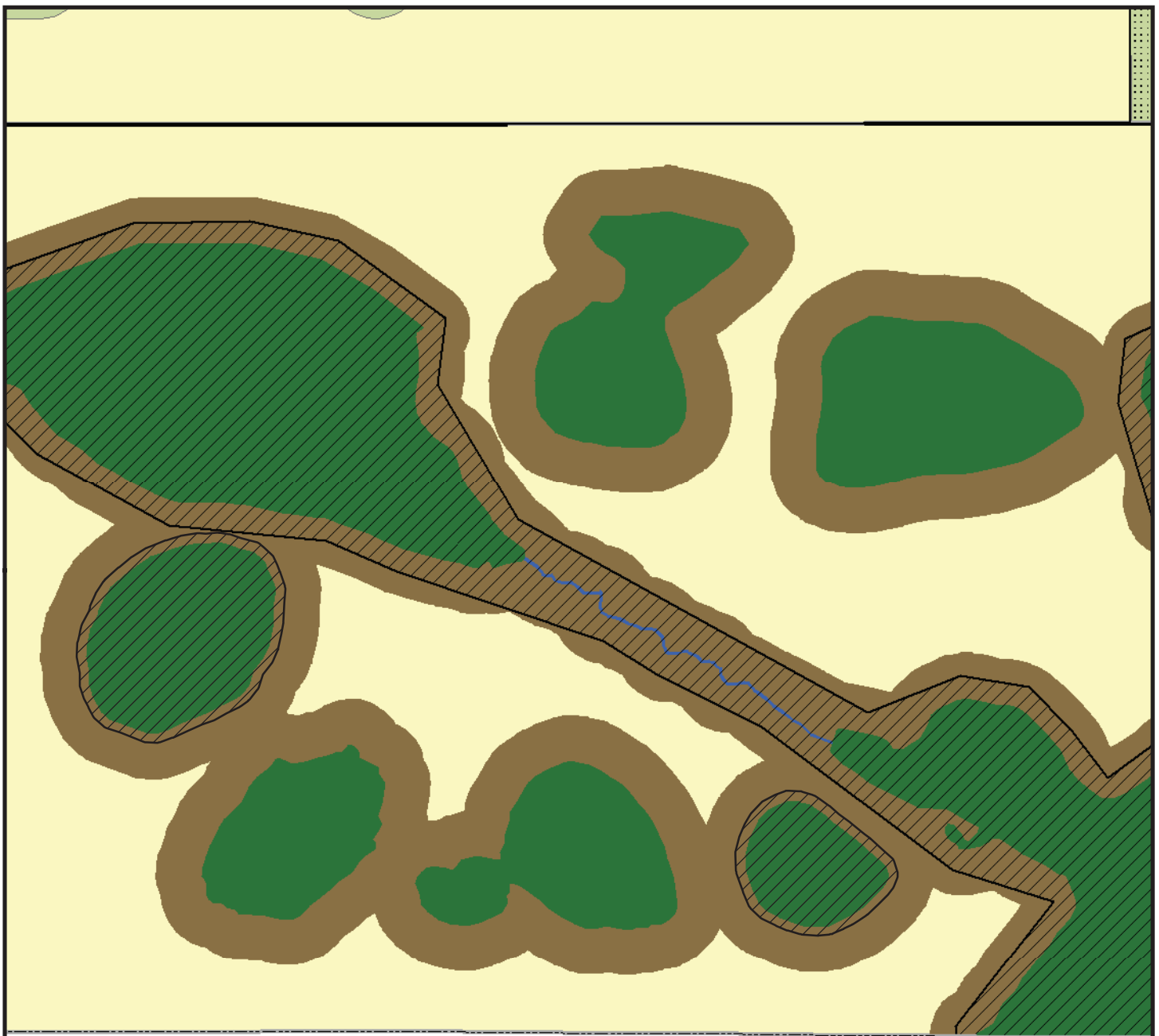
**SOUTH PASTURE
EXTENSION**
Mosaic Fertilizer, LLC
**FIGURE 2
PROPOSED
PROTECTION
LEVELS
TO UPDATE
THE CMP**

Sheet 9 of 56

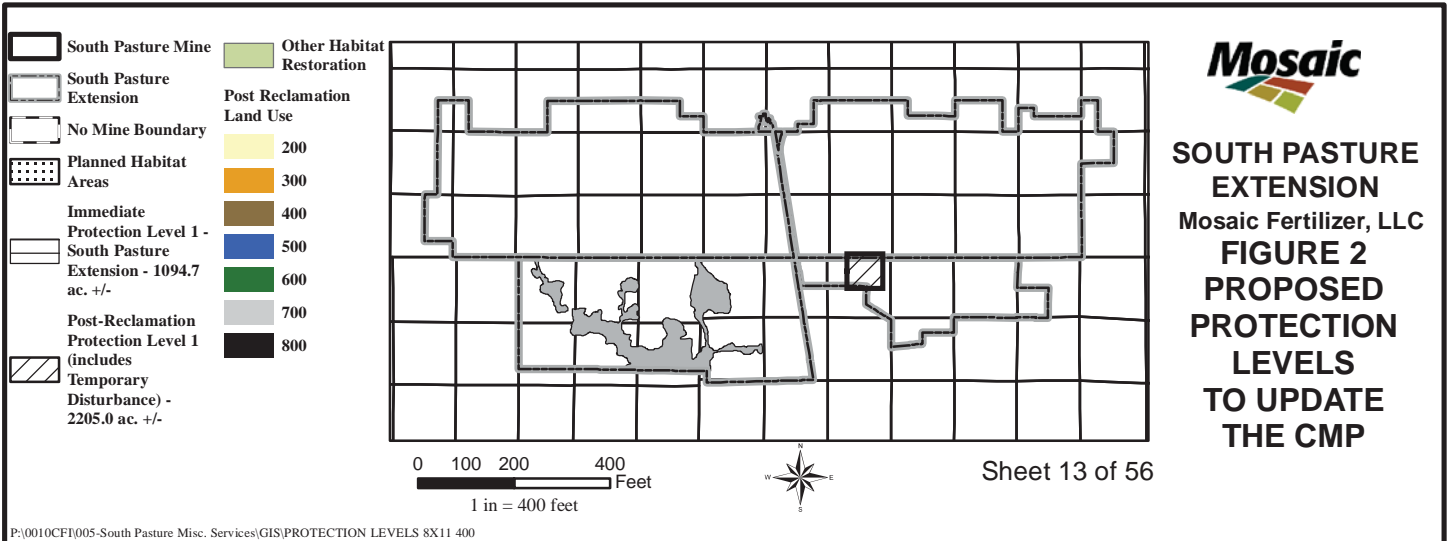
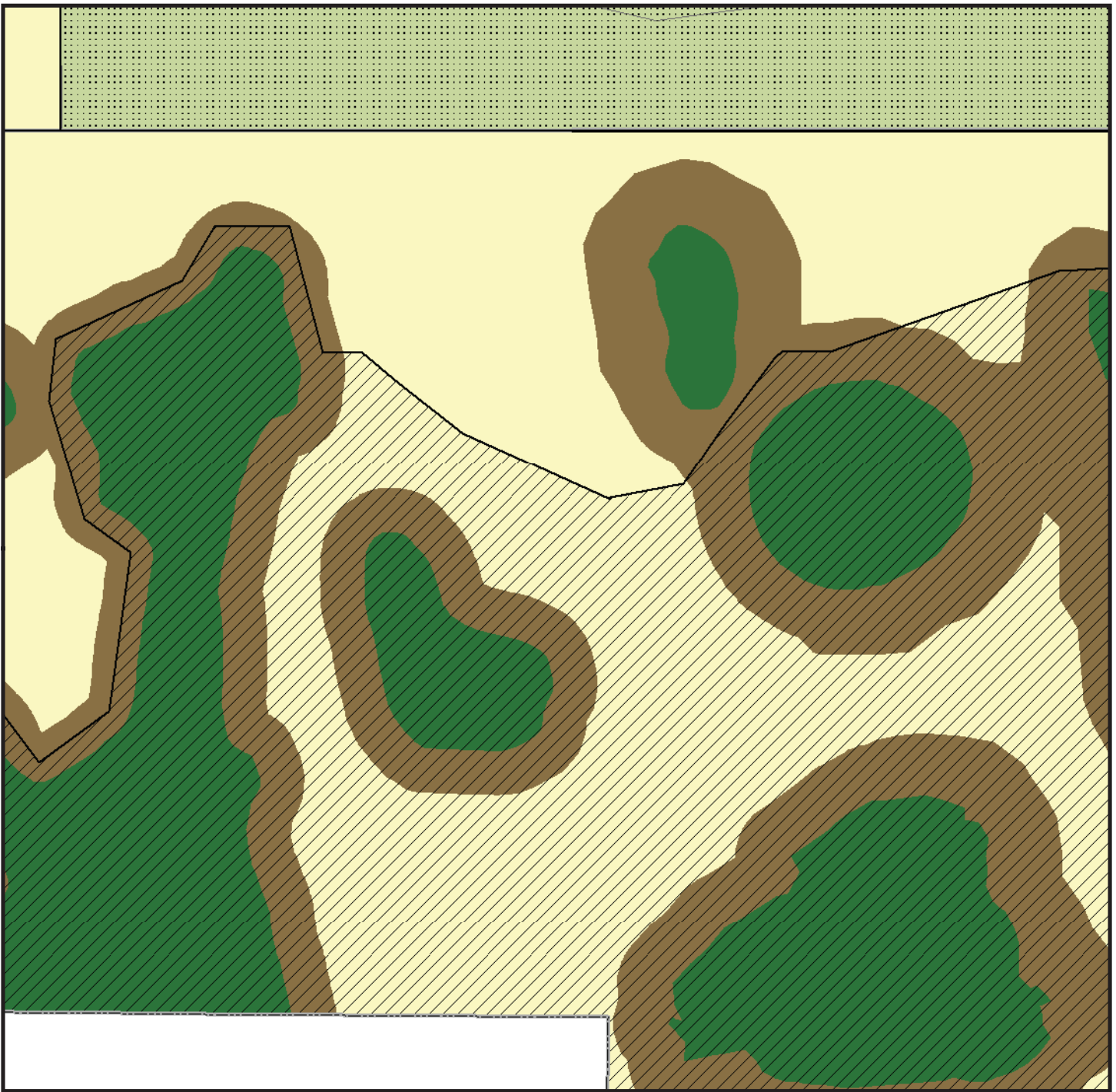


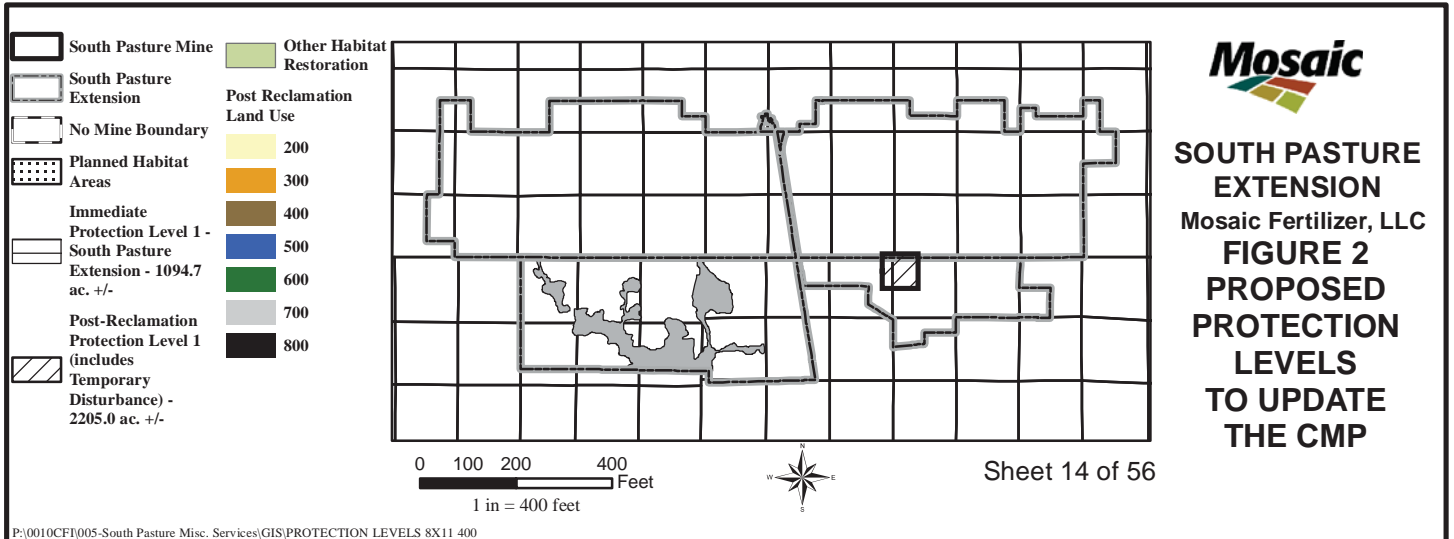
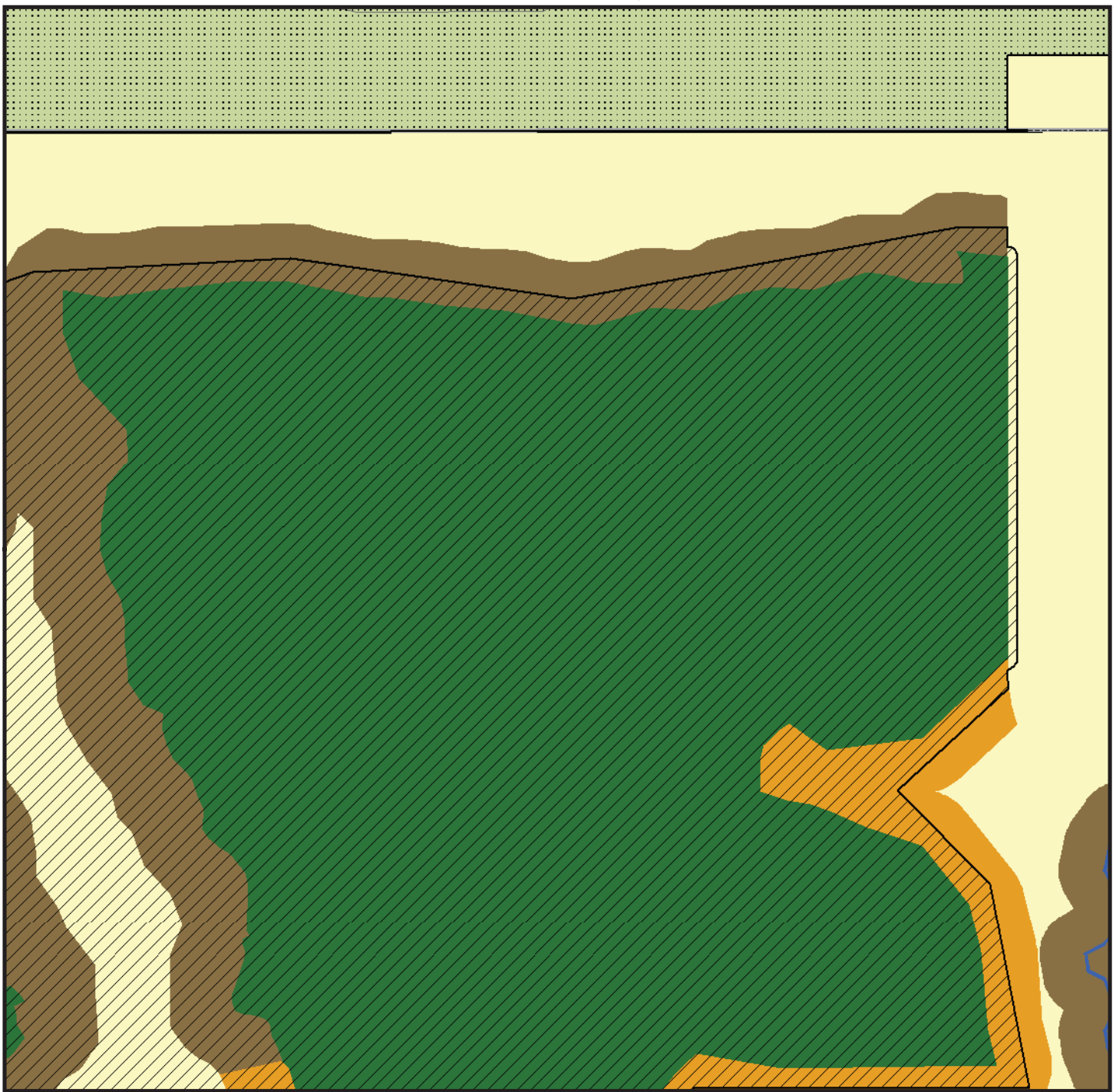
**SOUTH PASTURE
EXTENSION**
 Mosaic Fertilizer, LLC
**FIGURE 2
PROPOSED
PROTECTION
LEVELS
TO UPDATE
THE CMP**

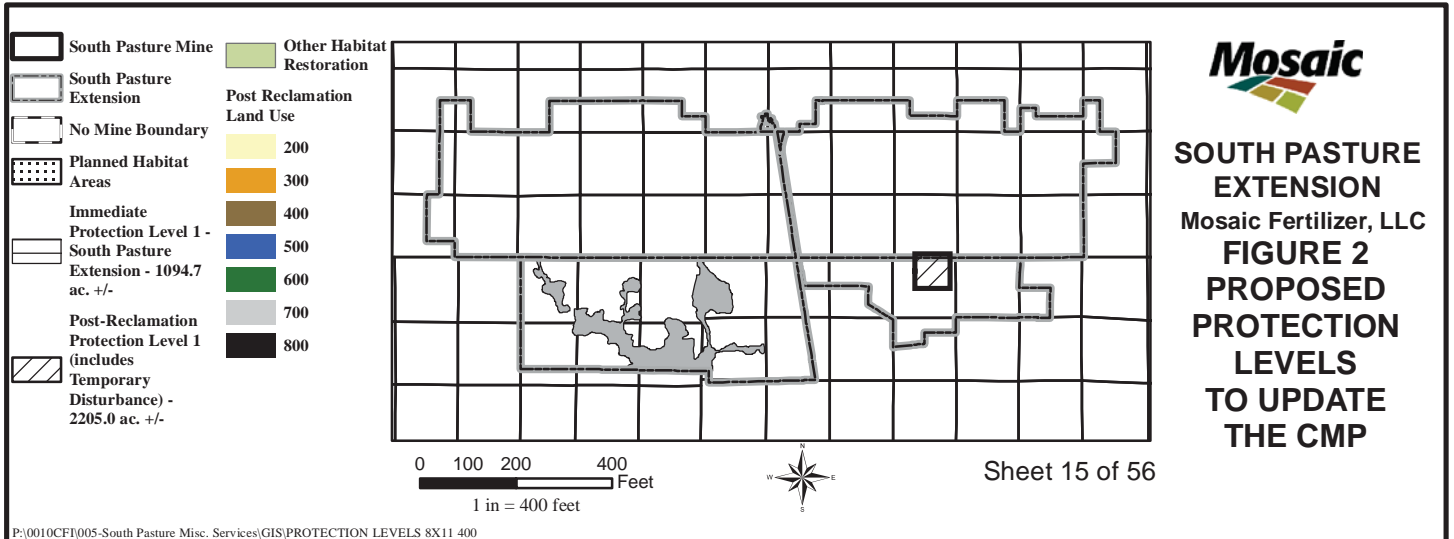
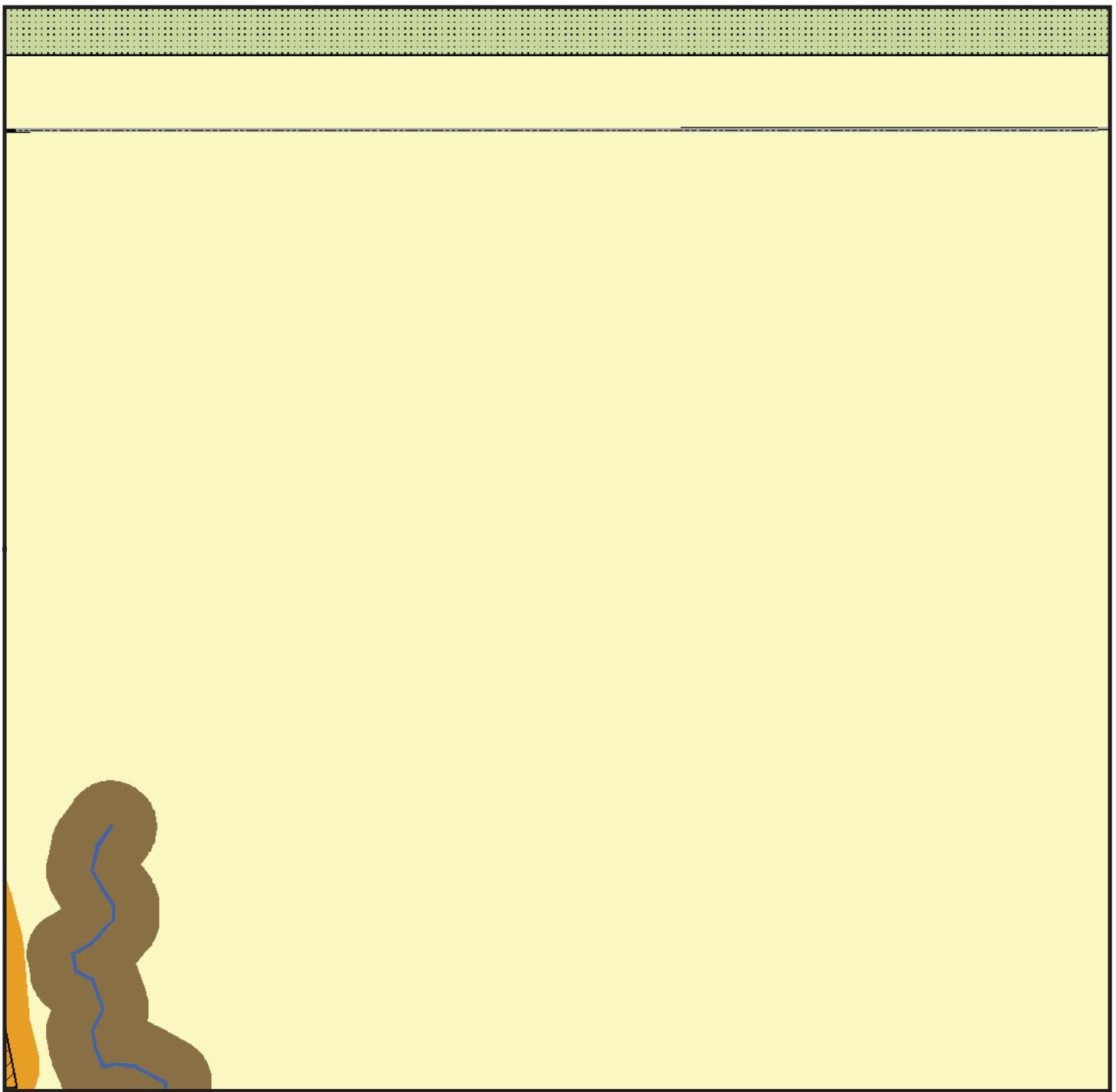


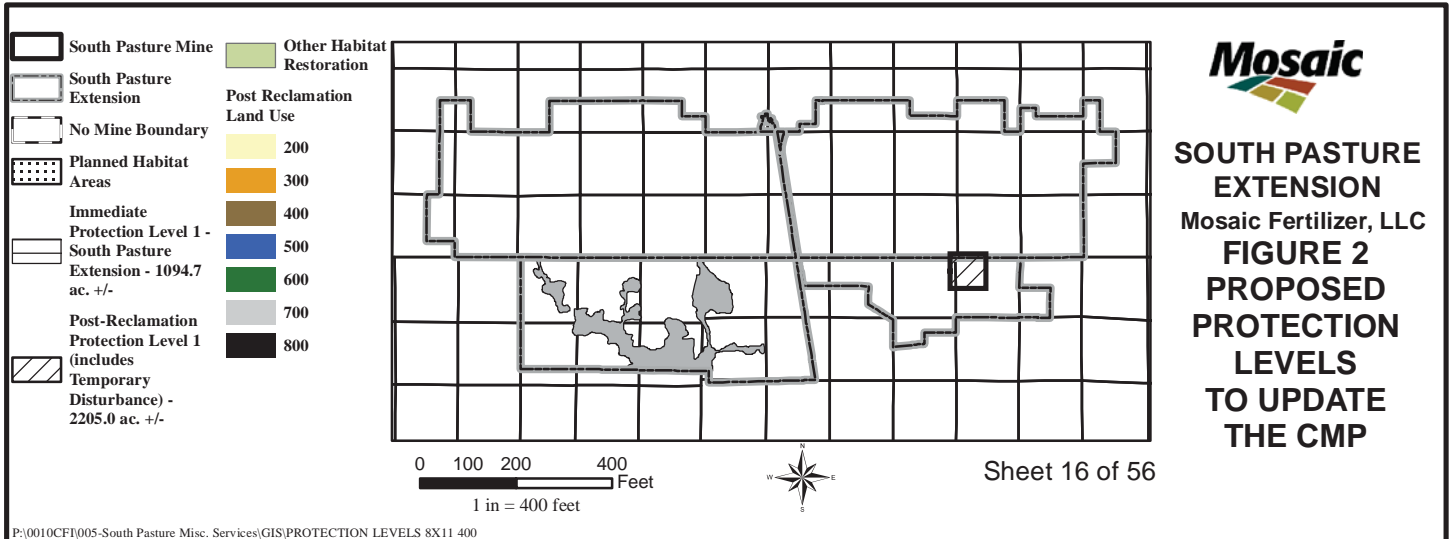
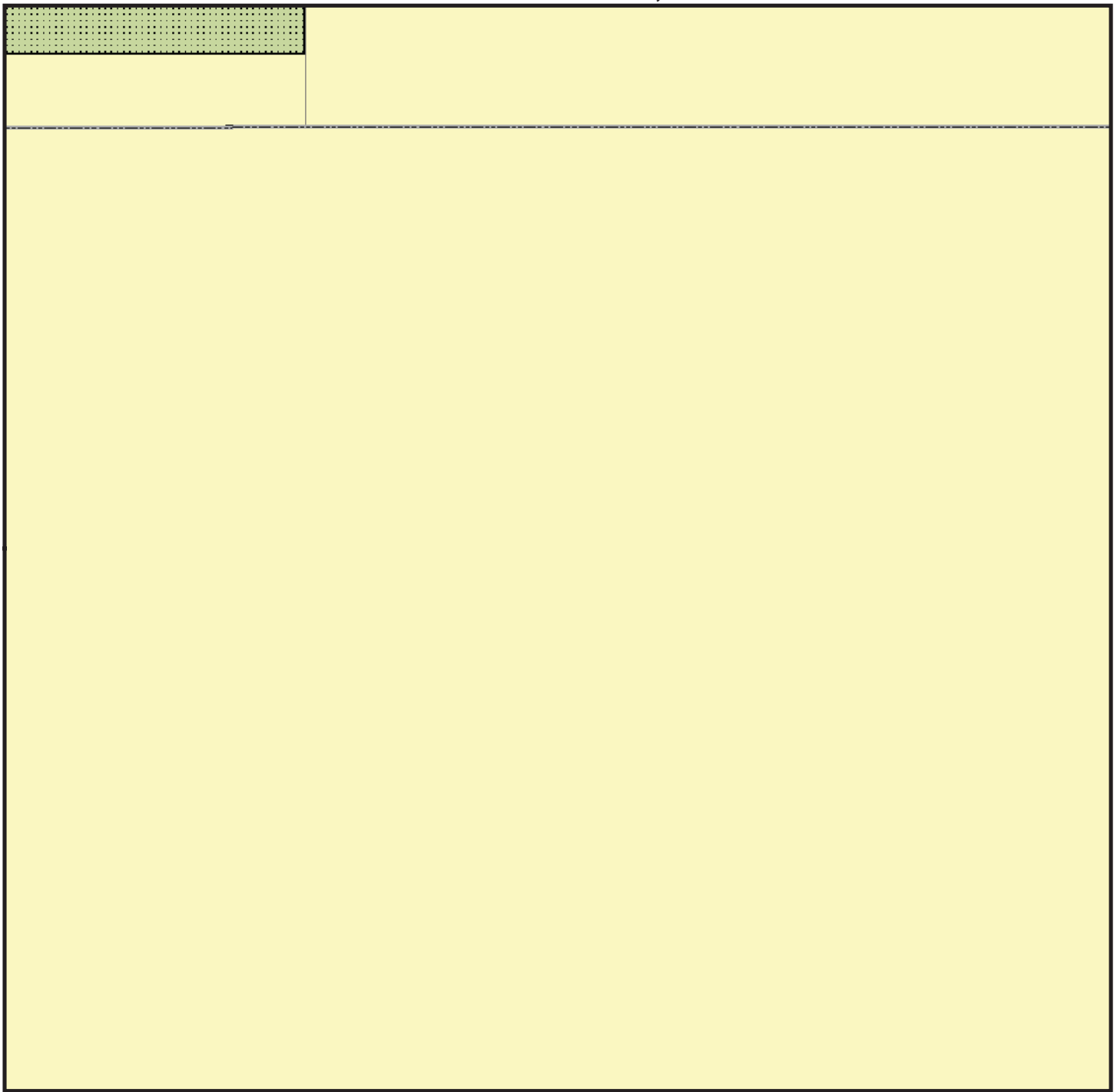


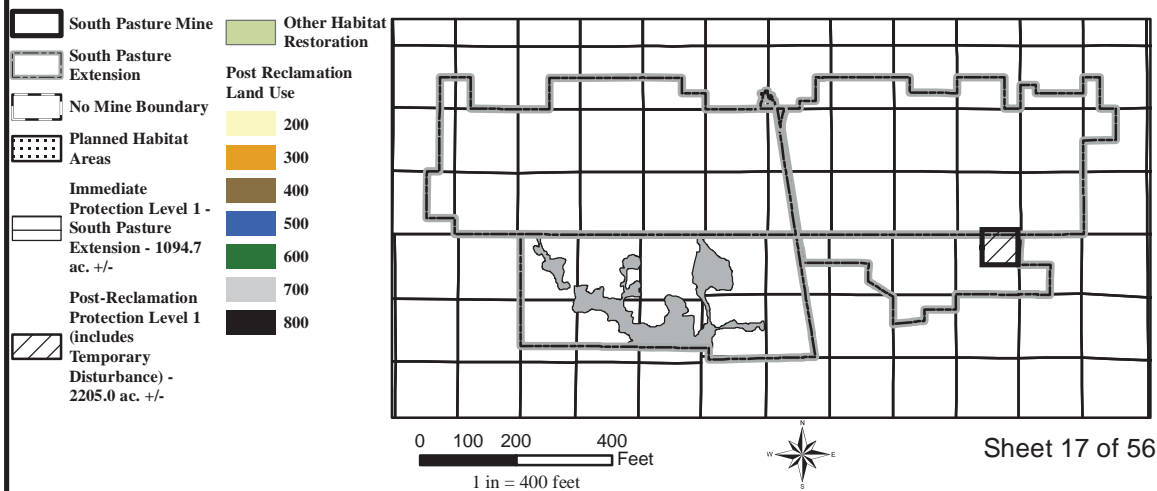
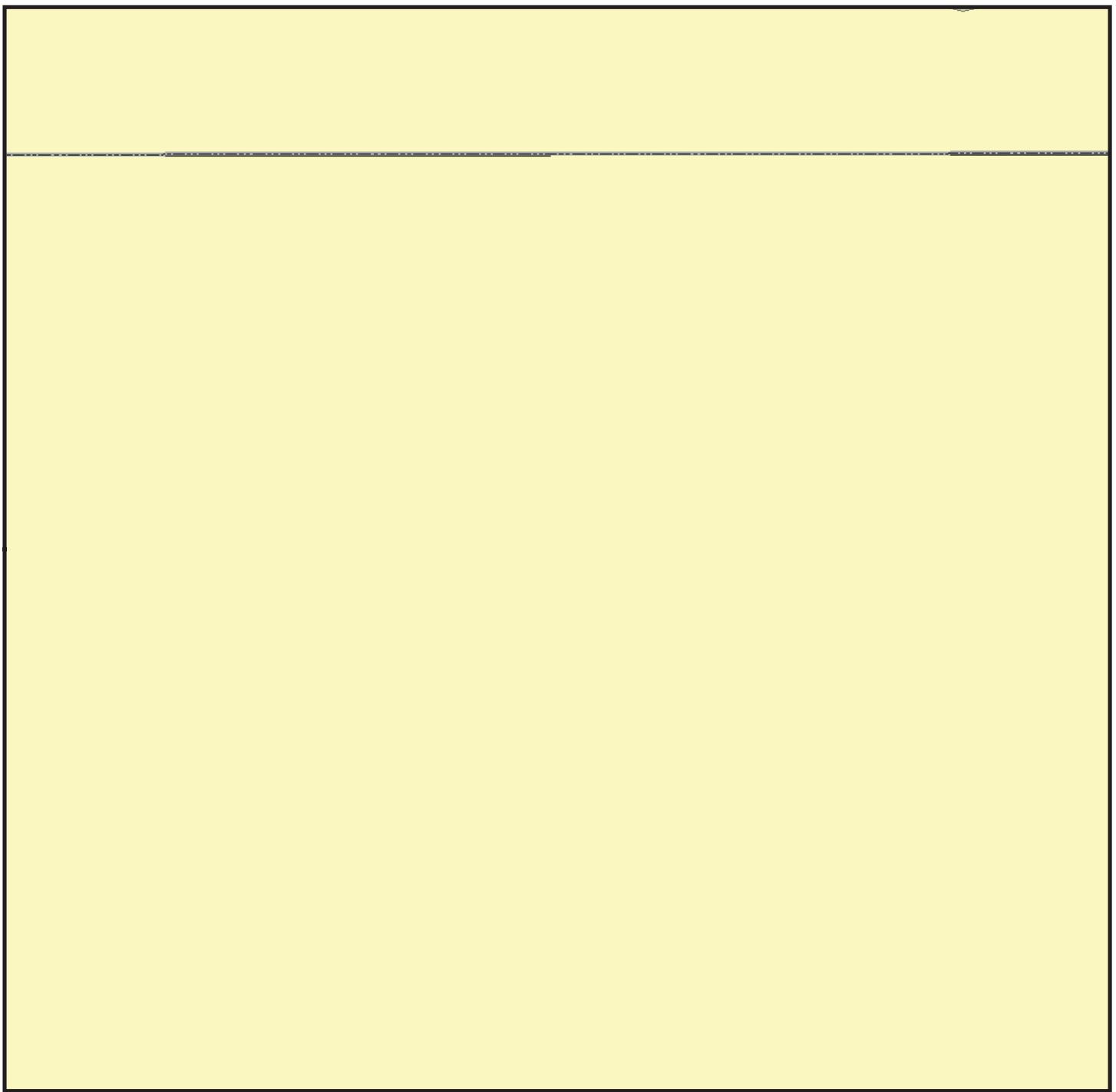
**SOUTH PASTURE
EXTENSION**
Mosaic Fertilizer, LLC
**FIGURE 2
PROPOSED
PROTECTION
LEVELS
TO UPDATE
THE CMP**



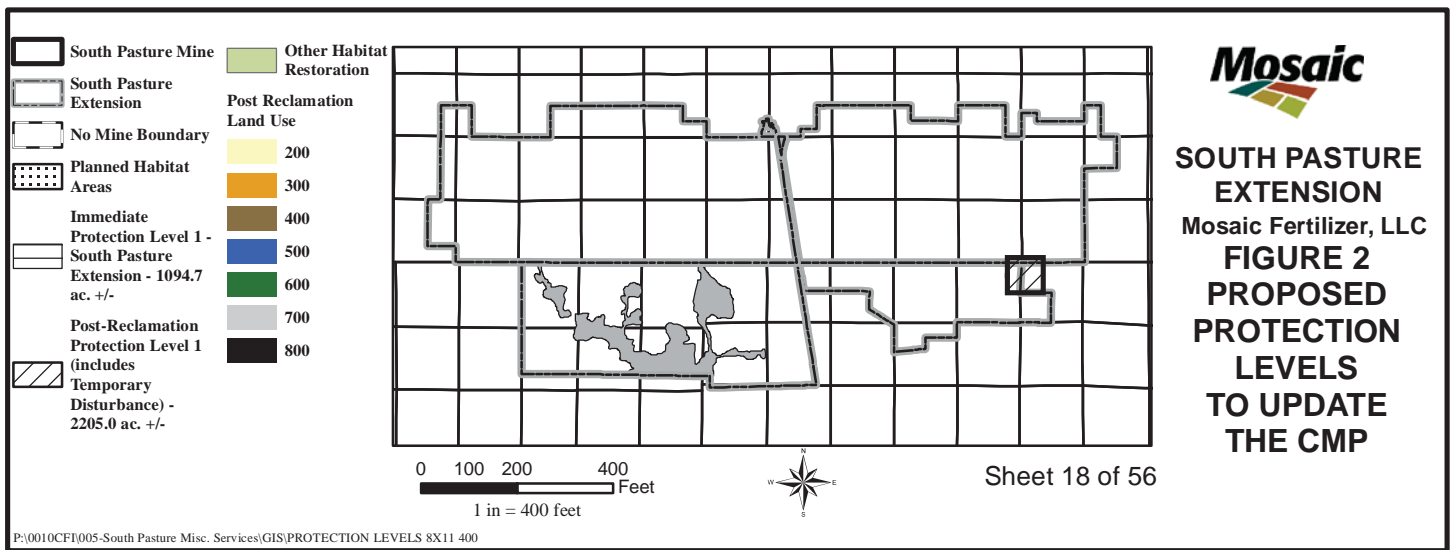
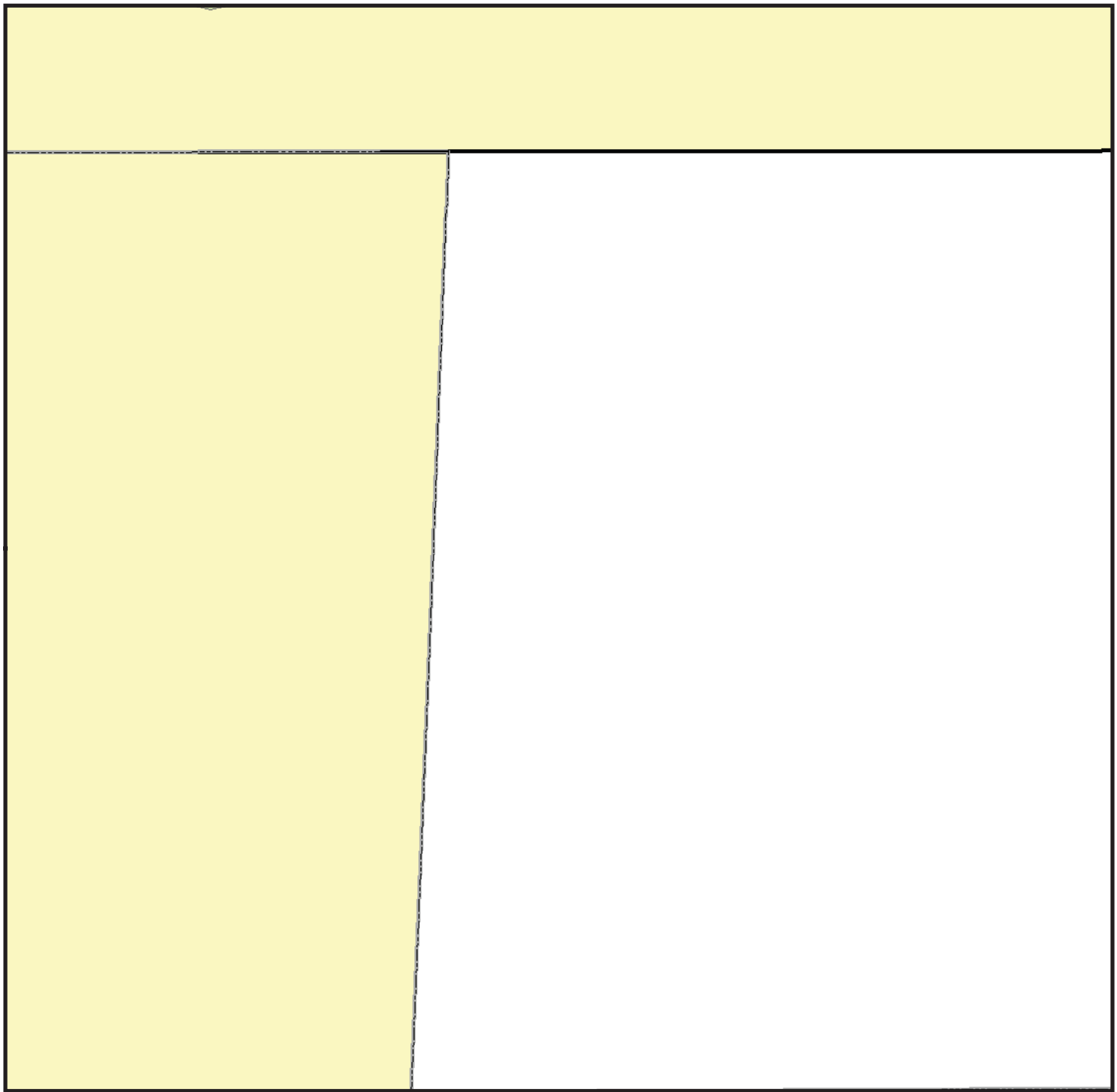


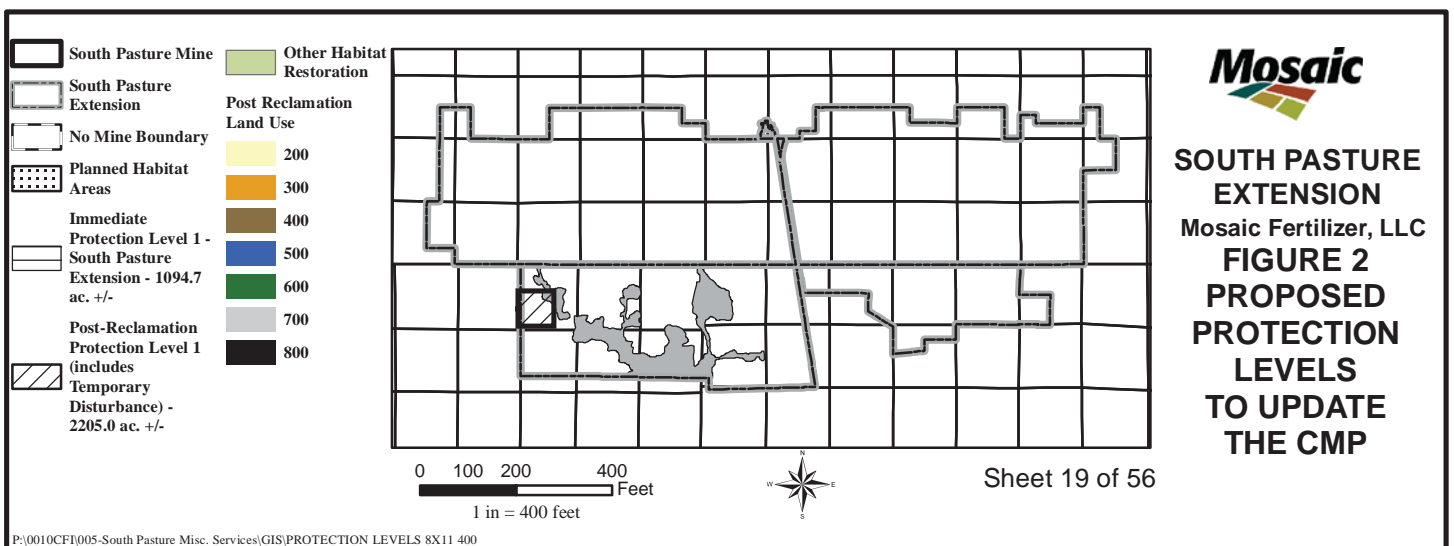
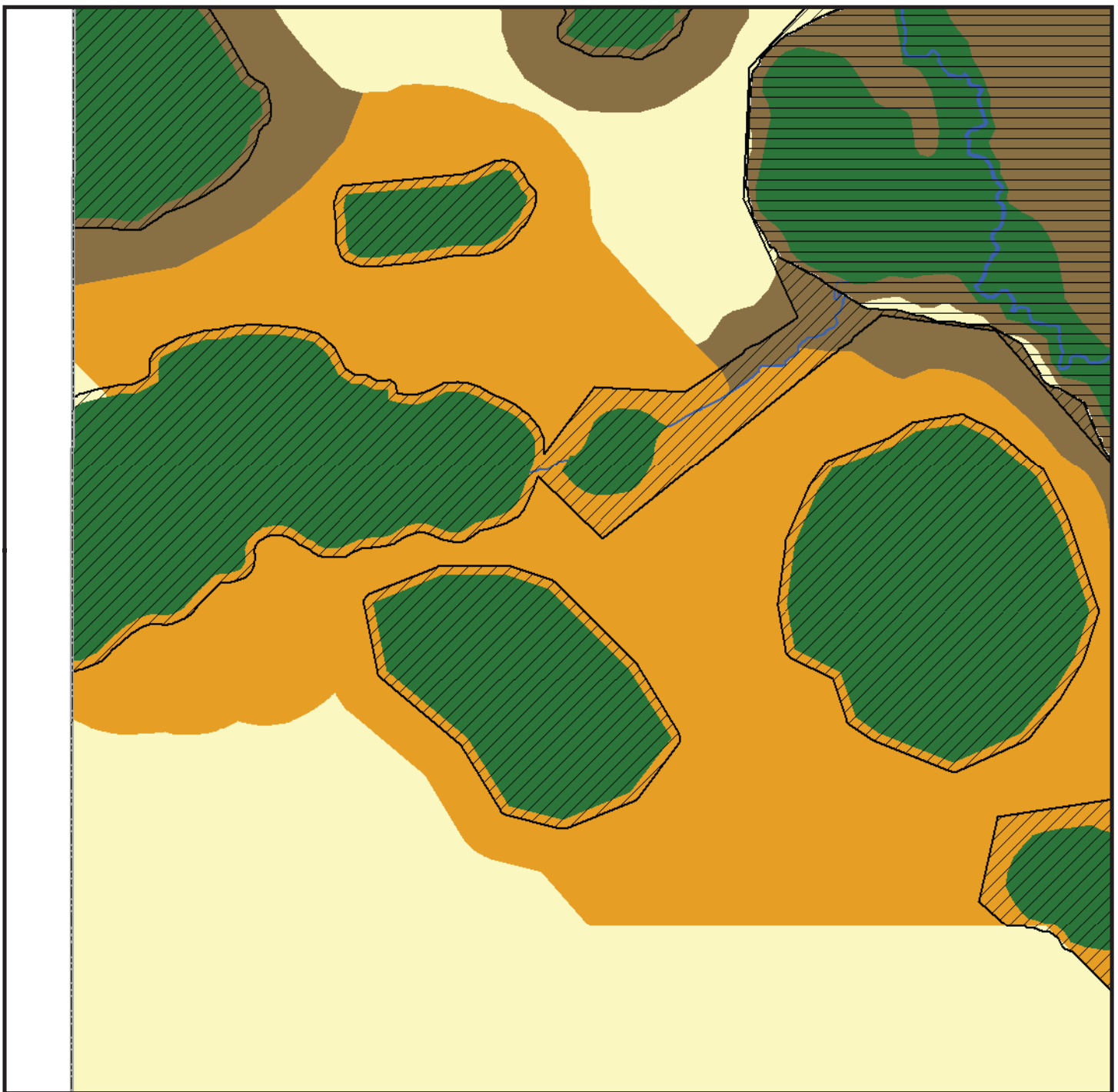


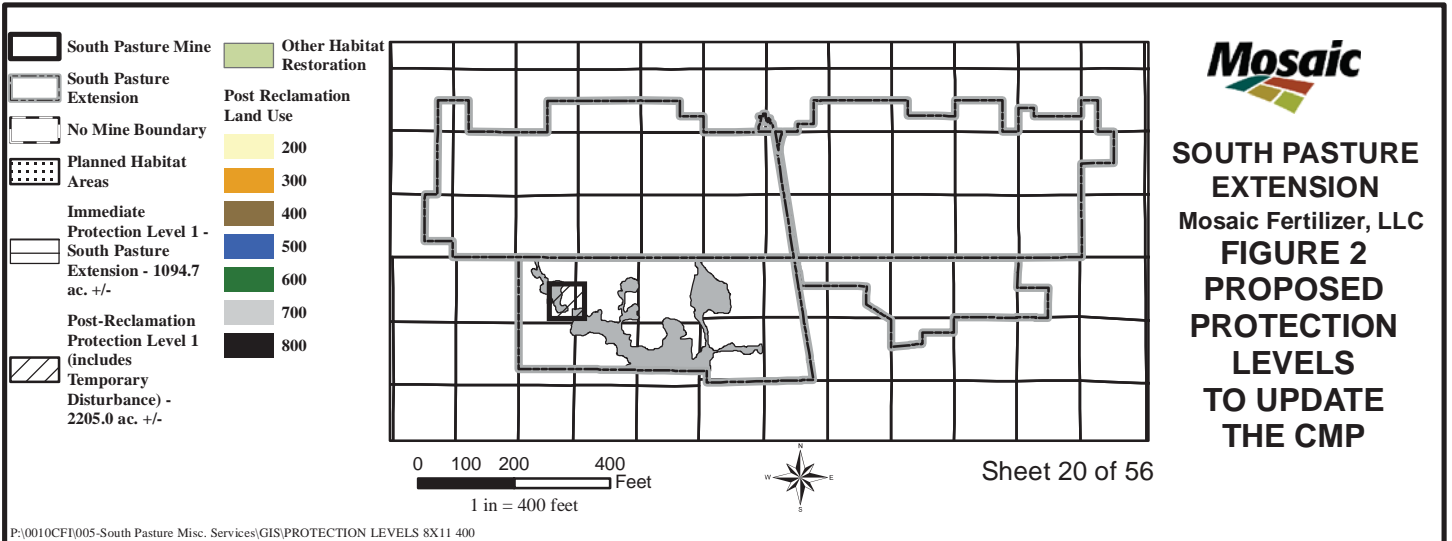


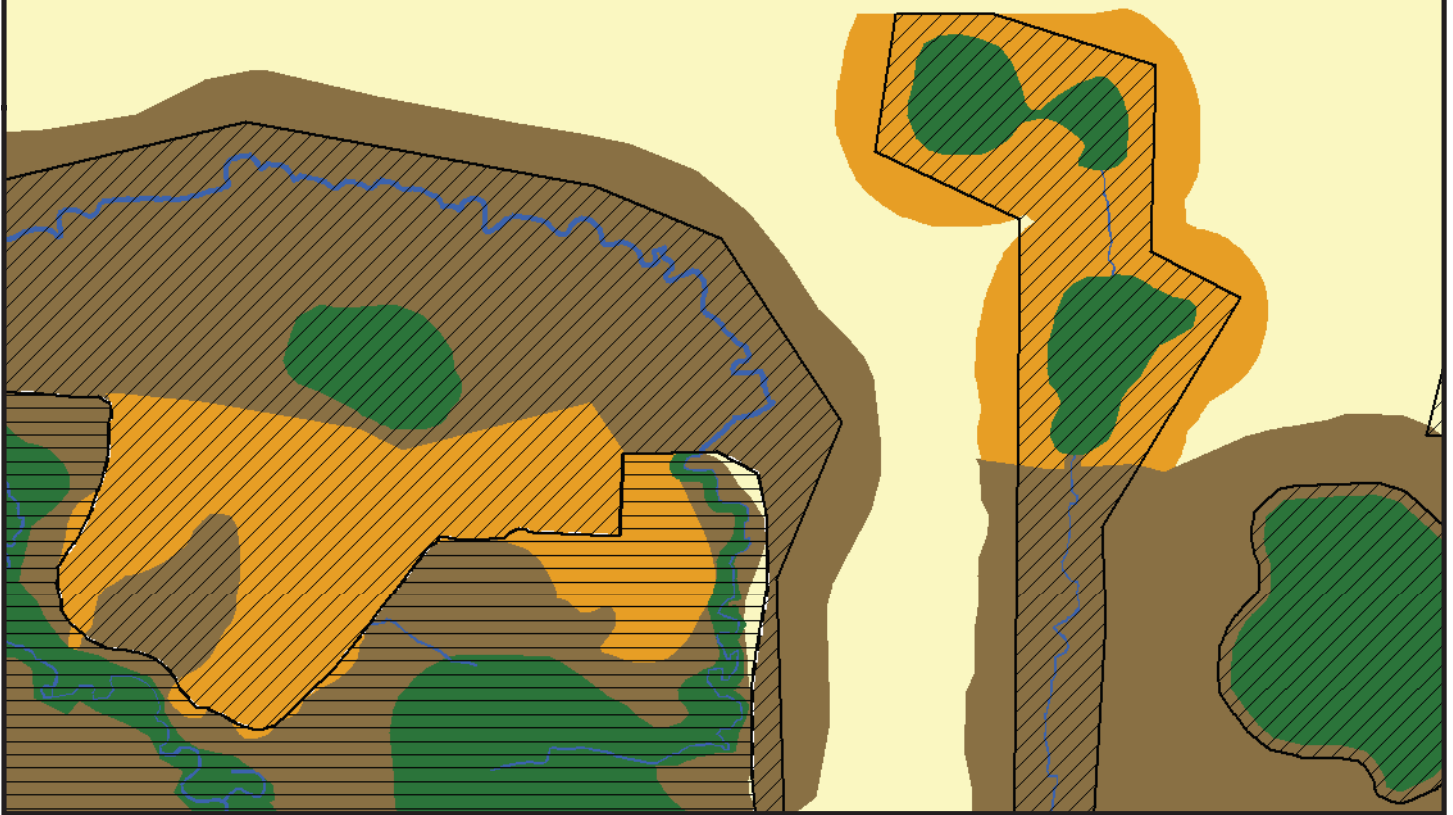


**SOUTH PASTURE
EXTENSION**
Mosaic Fertilizer, LLC
**FIGURE 2
PROPOSED
PROTECTION
LEVELS
TO UPDATE
THE CMP**

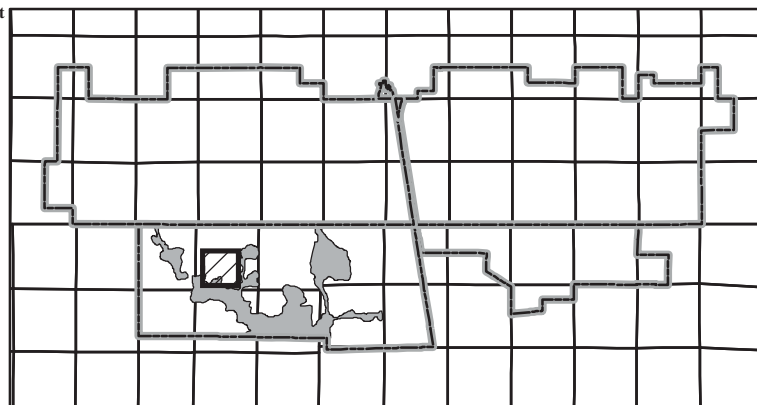








- South Pasture Mine
- South Pasture Extension
- No Mine Boundary
- Planned Habitat Areas
- Immediate Protection Level 1 - South Pasture Extension - 1094.7 ac. +/-
- Post-Reclamation Protection Level 1 (includes Temporary Disturbance) - 2205.0 ac. +/-
- Other Habitat Restoration
- Post Reclamation Land Use**
- 200
- 300
- 400
- 500
- 600
- 700
- 800



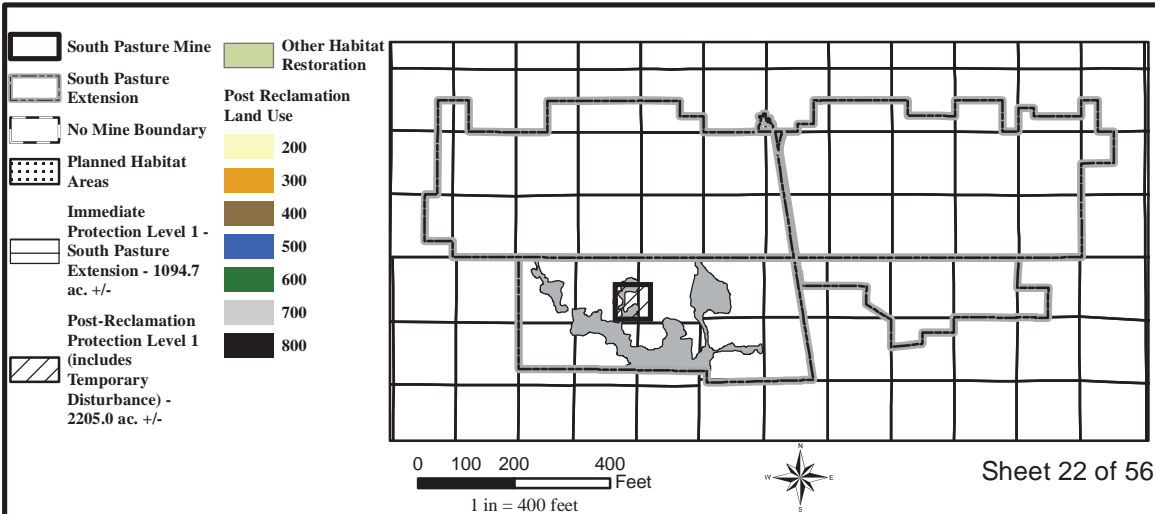
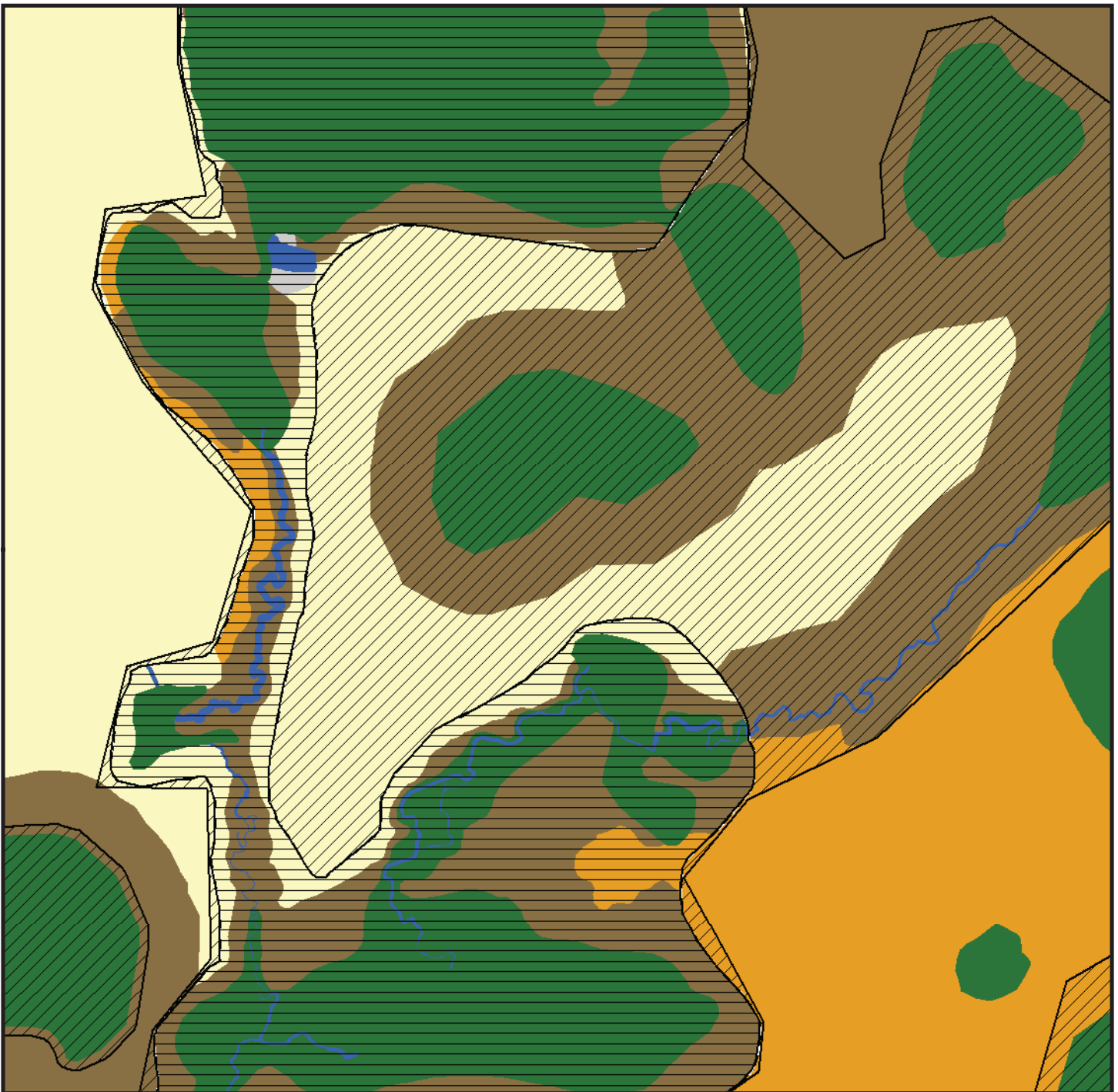
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Feet
1 in = 400 feet



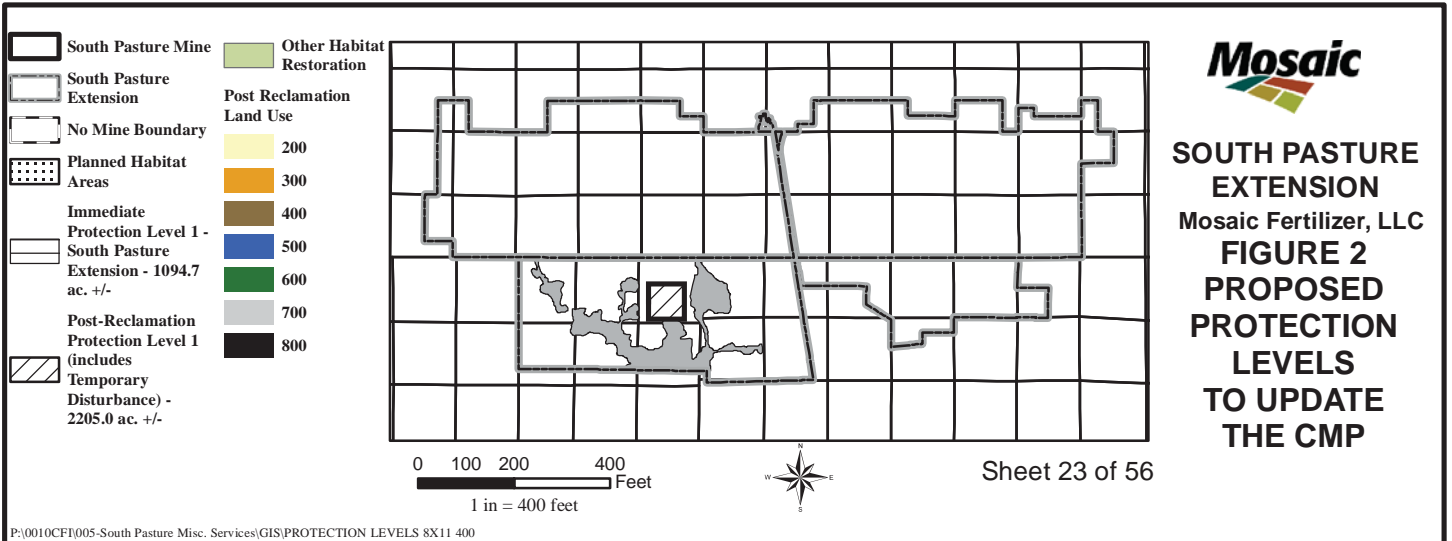
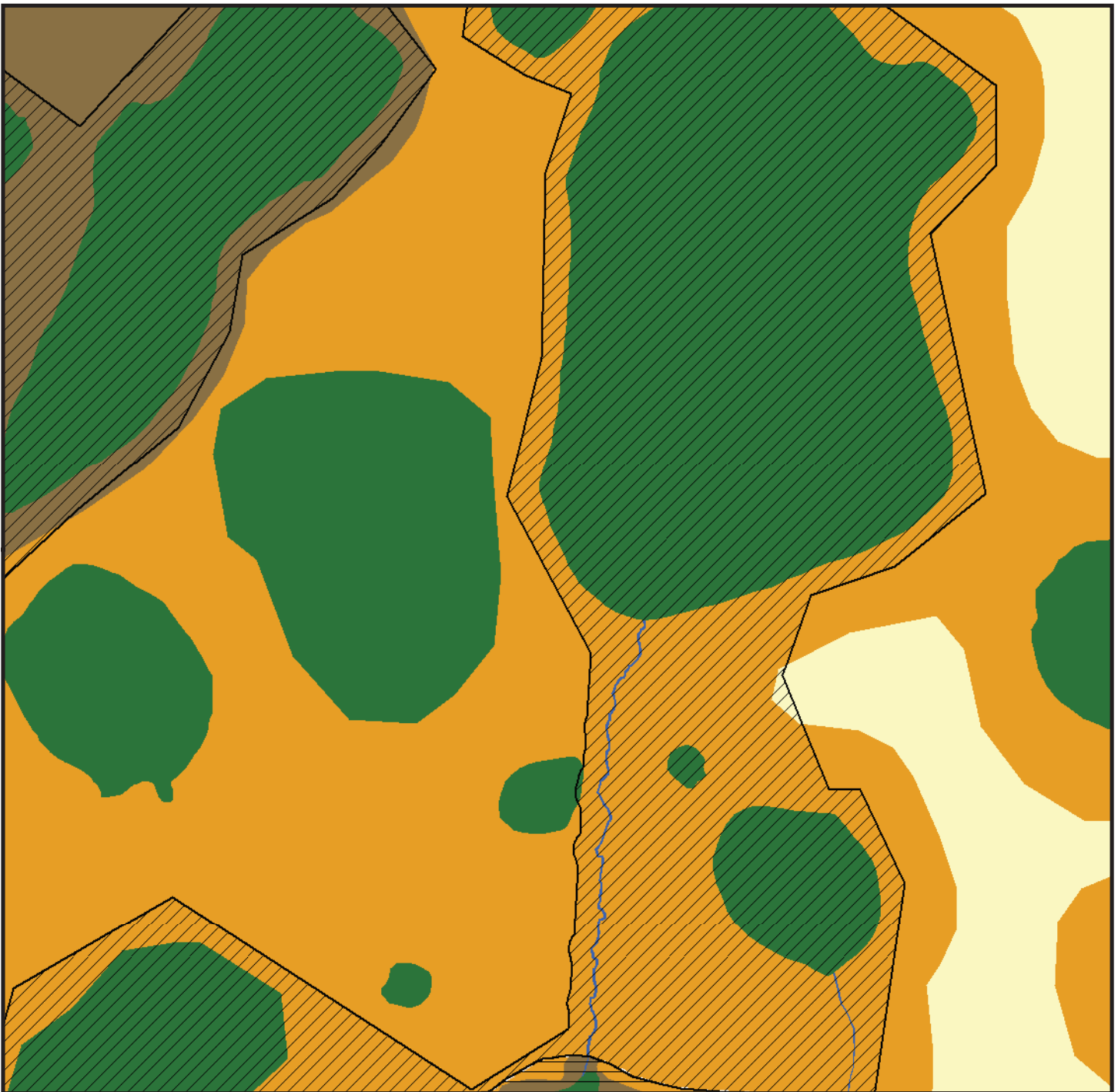
Sheet 21 of 56

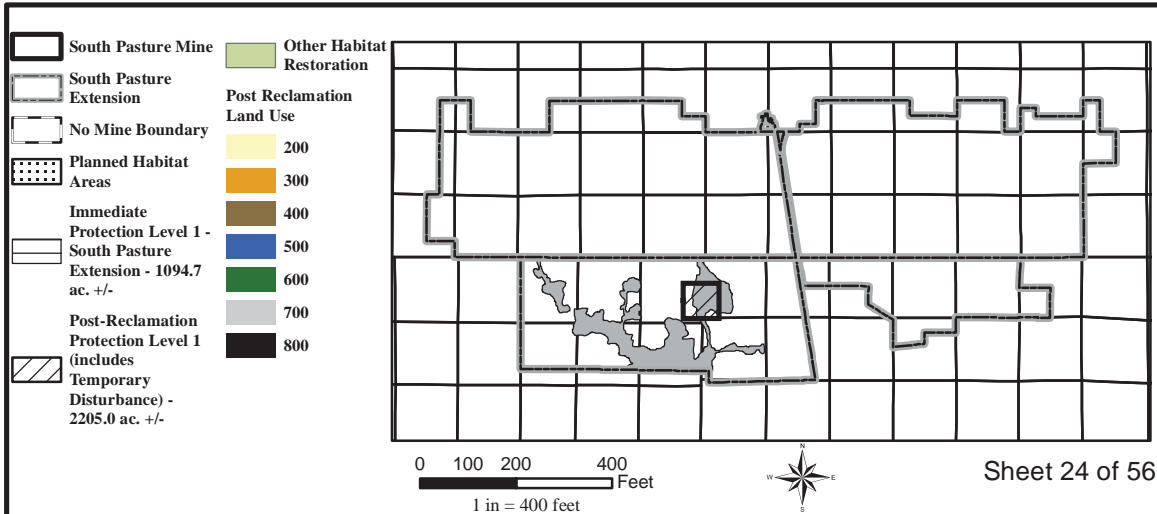
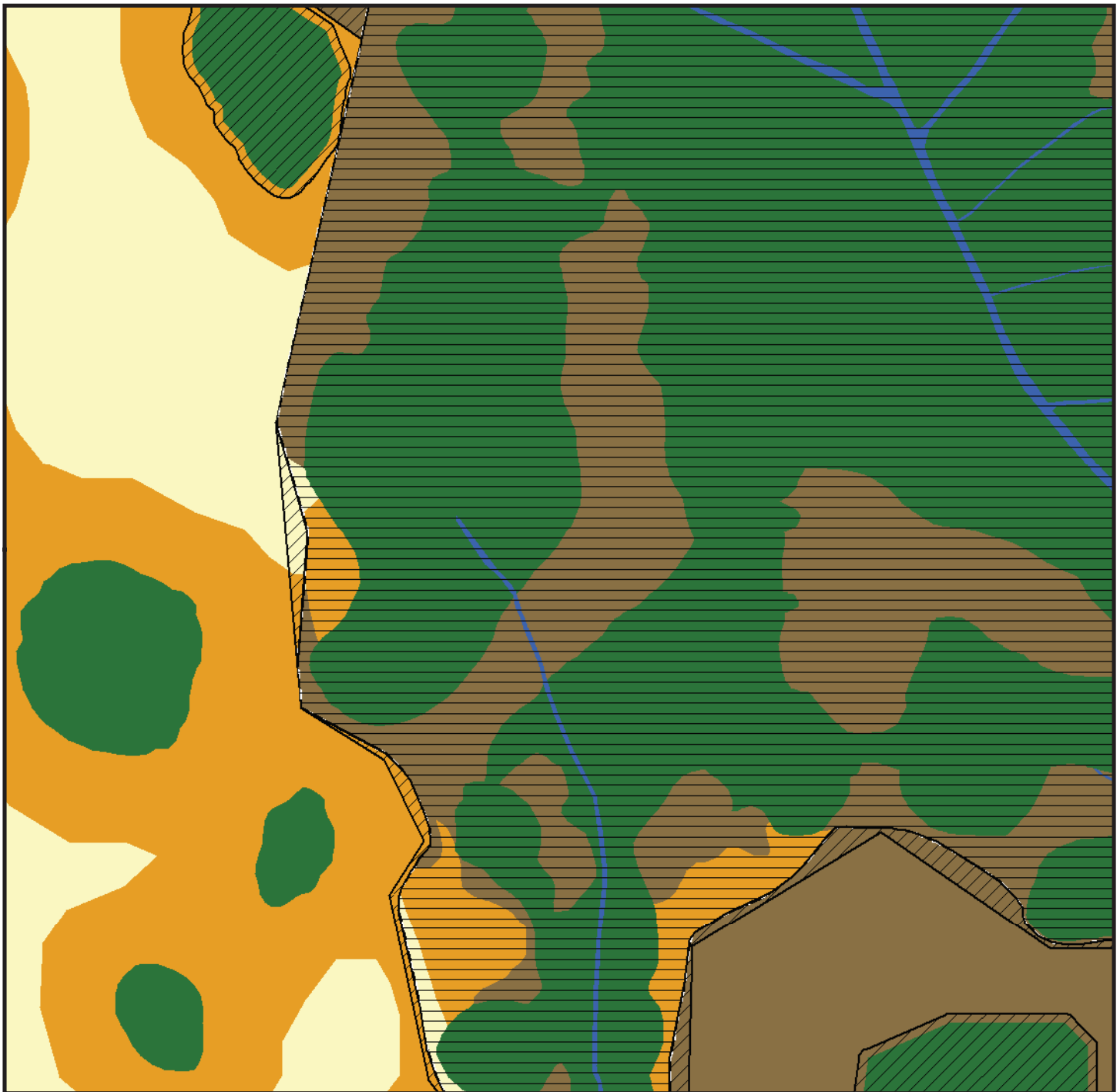


**SOUTH PASTURE
EXTENSION**
Mosaic Fertilizer, LLC
**FIGURE 2
PROPOSED
PROTECTION
LEVELS
TO UPDATE
THE CMP**

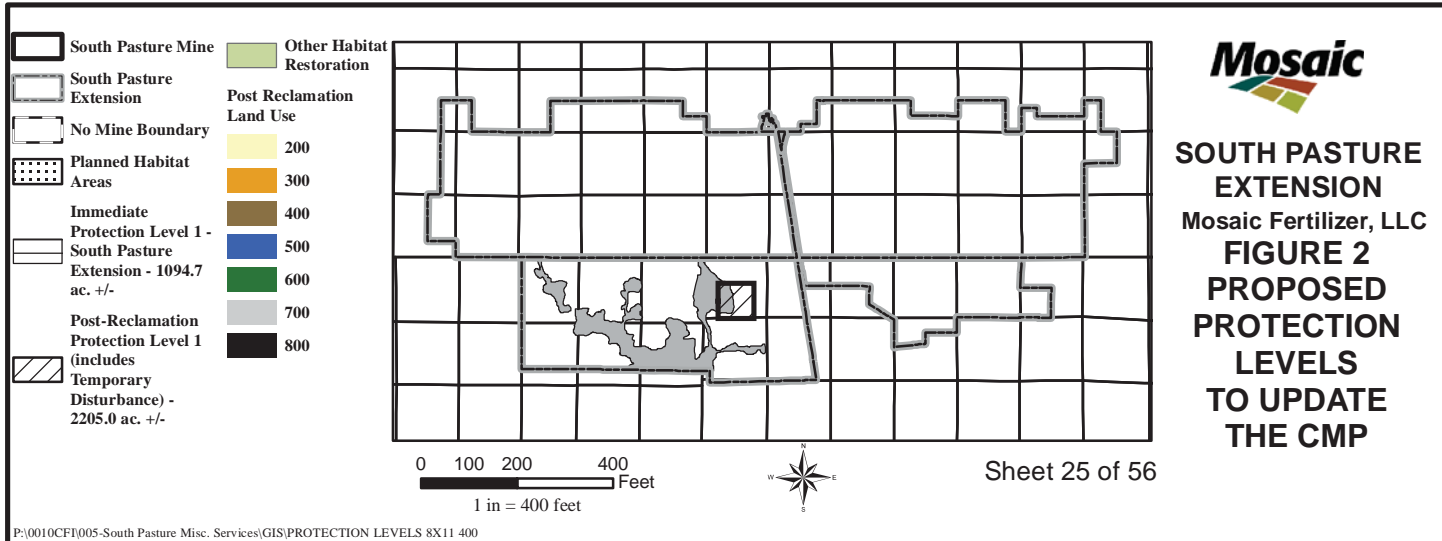
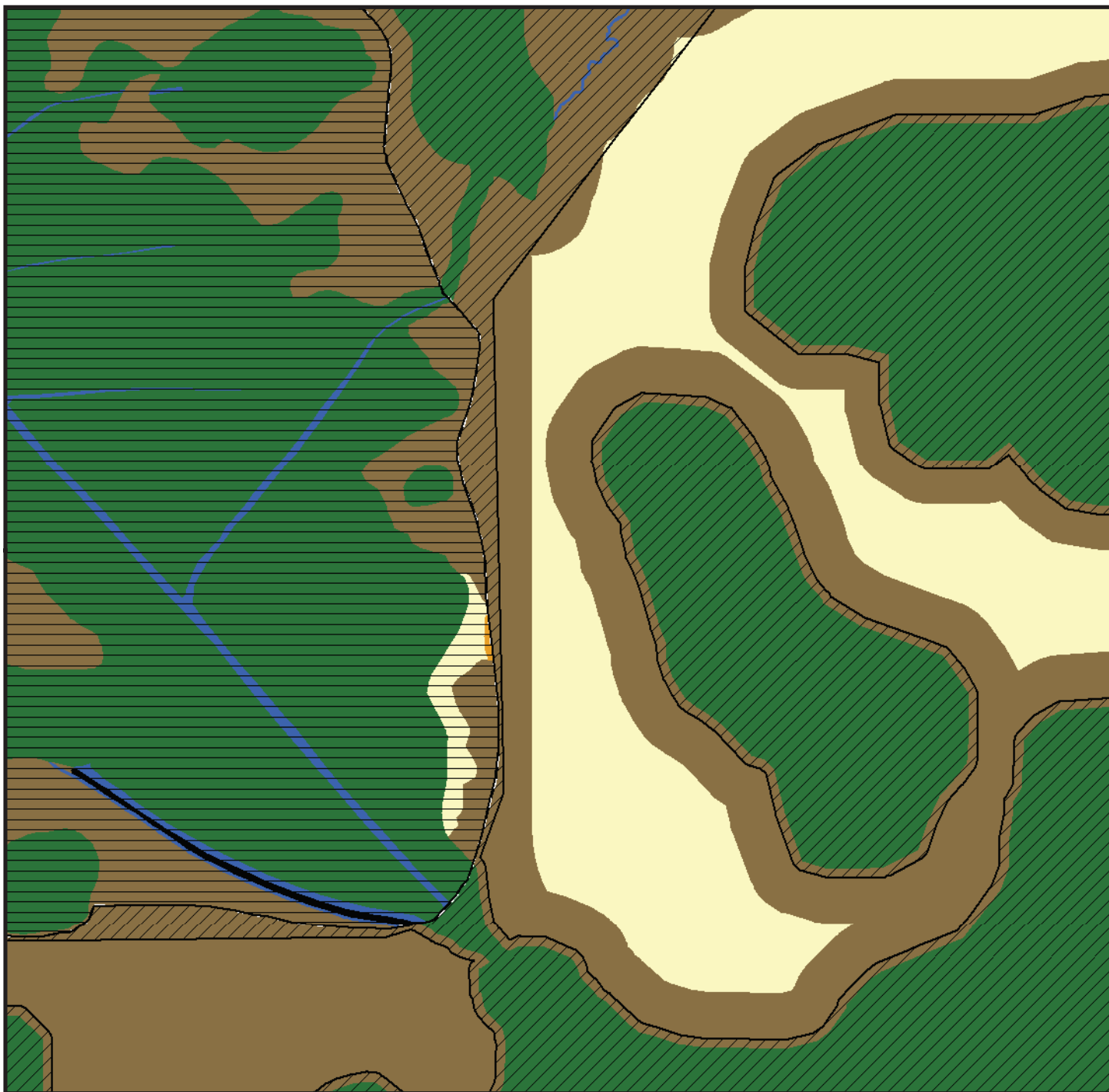


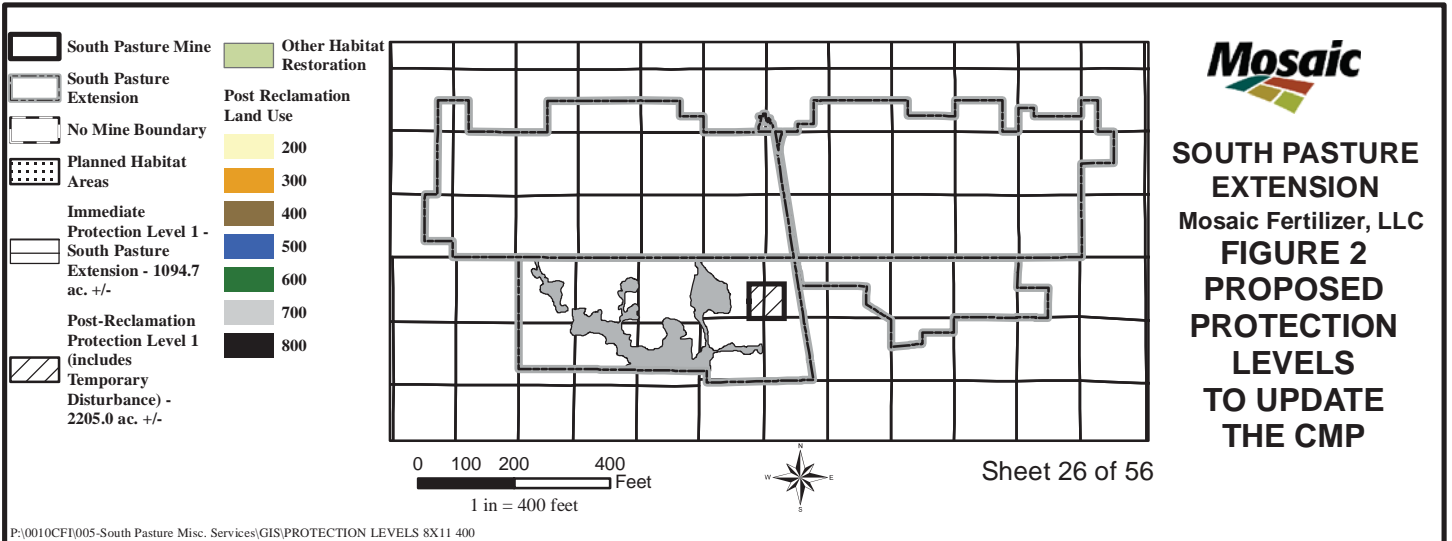
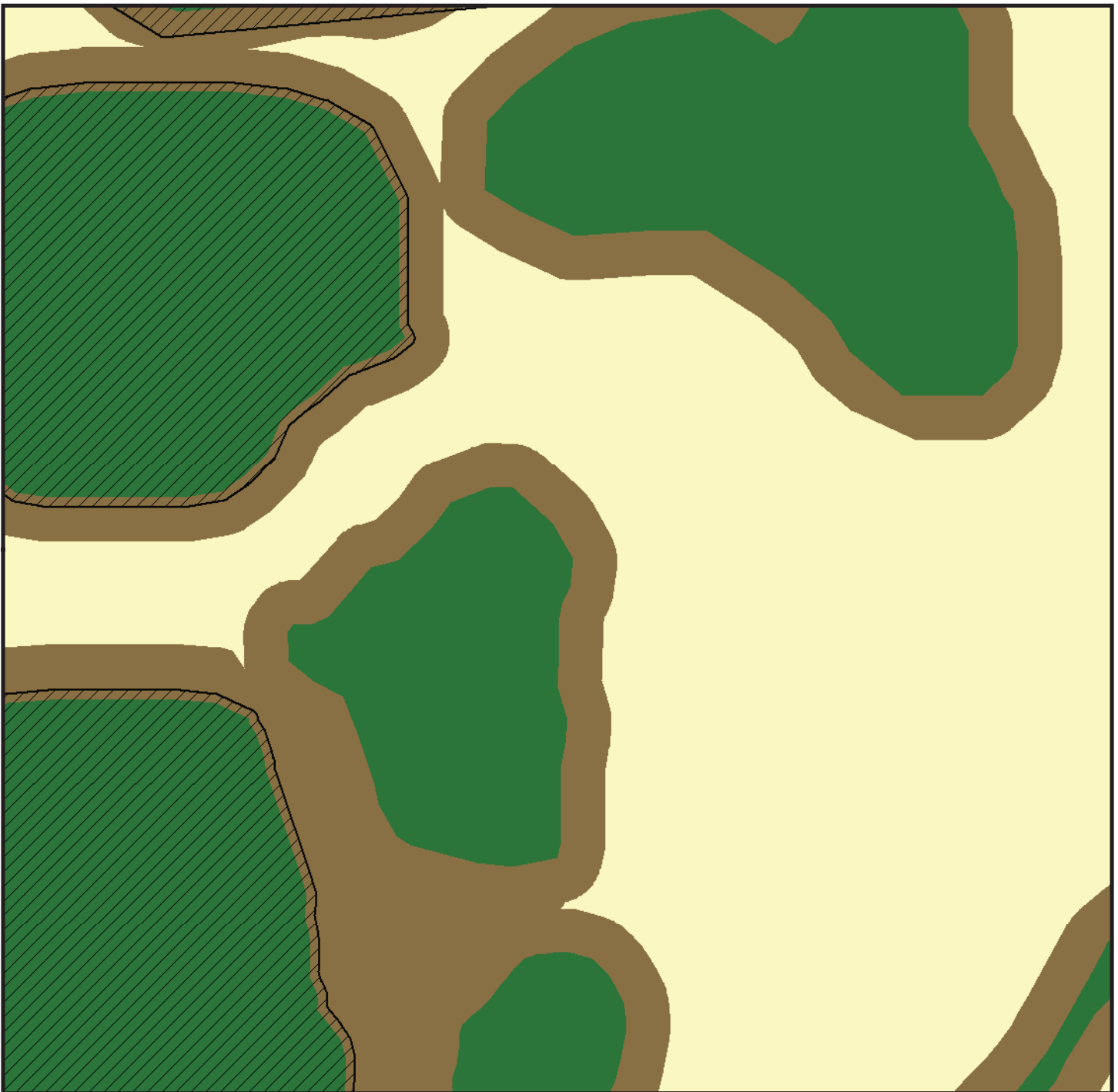
**SOUTH PASTURE
EXTENSION**
Mosaic Fertilizer, LLC
**FIGURE 2
PROPOSED
PROTECTION
LEVELS
TO UPDATE
THE CMP**

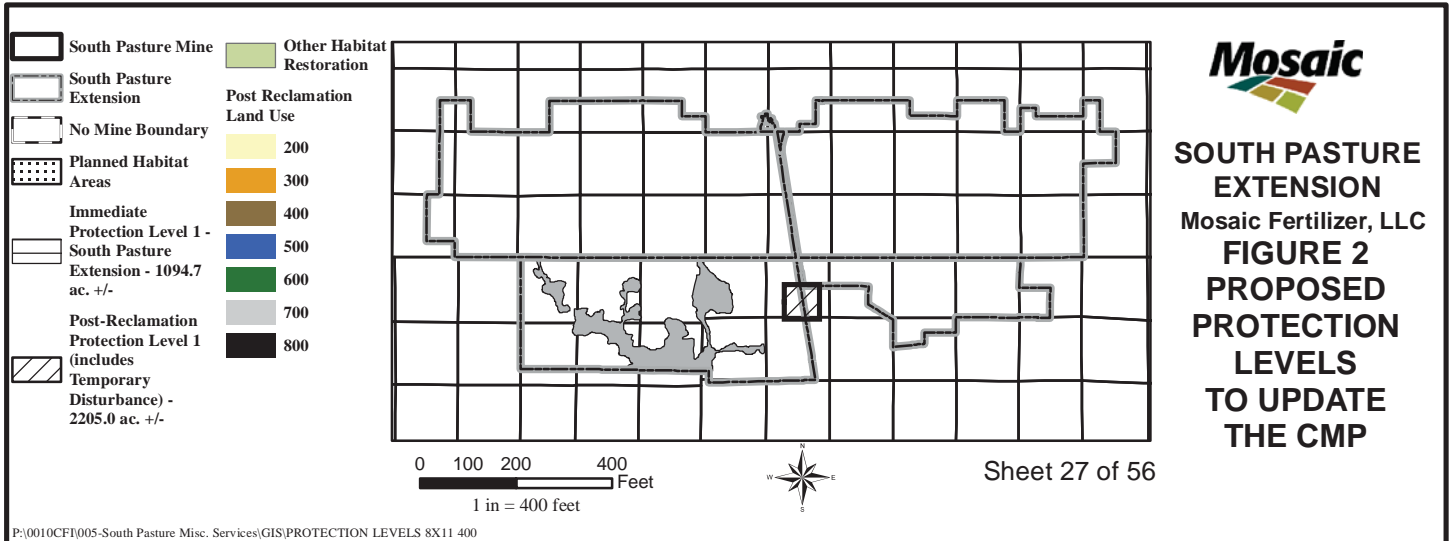
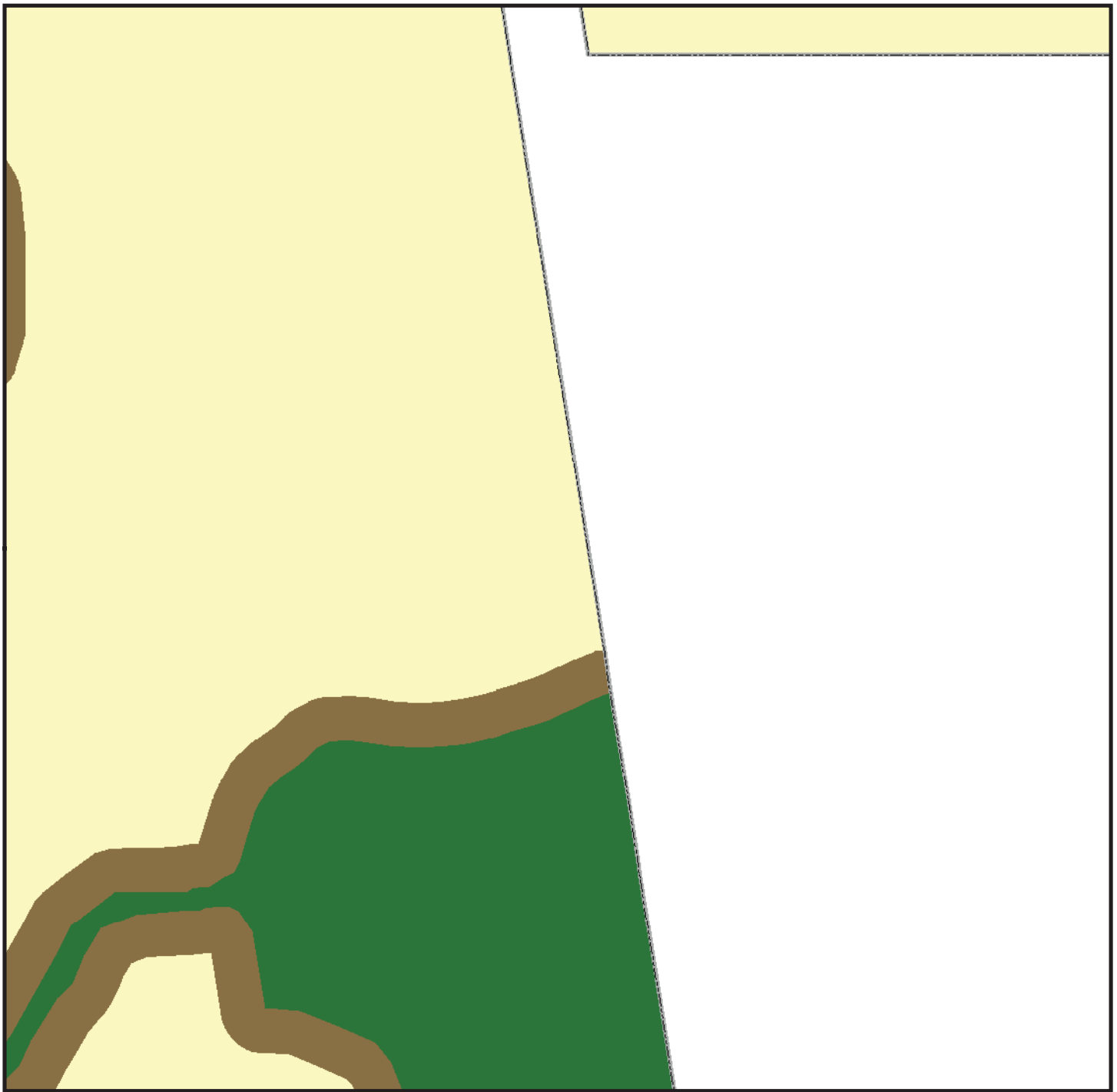


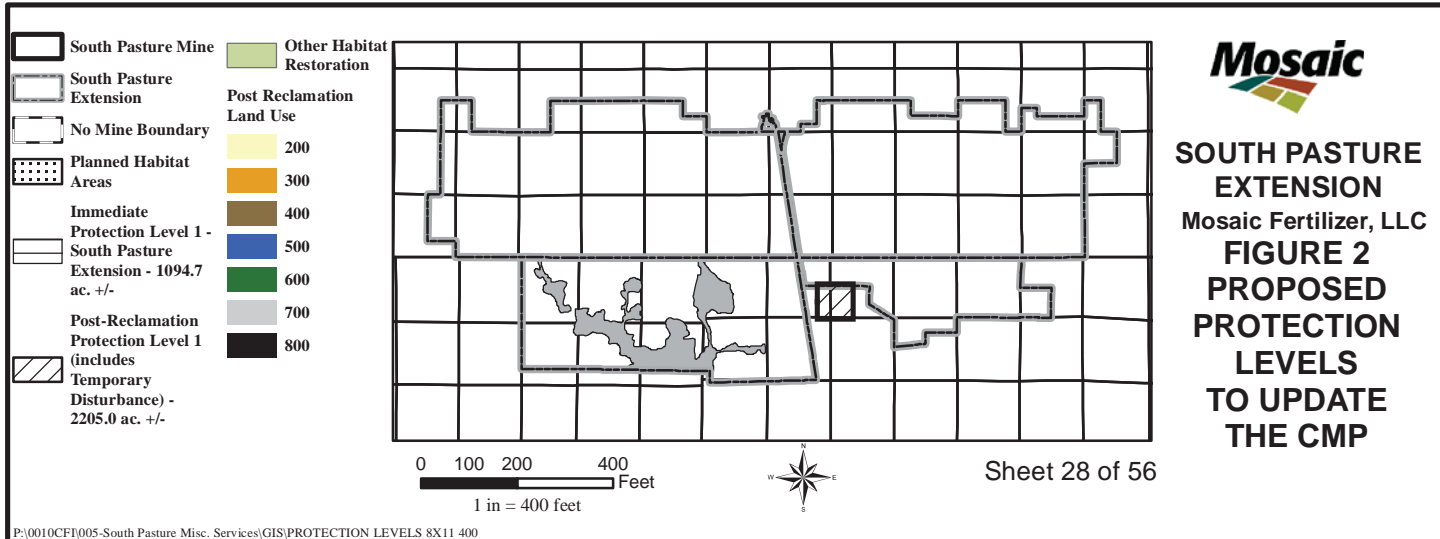
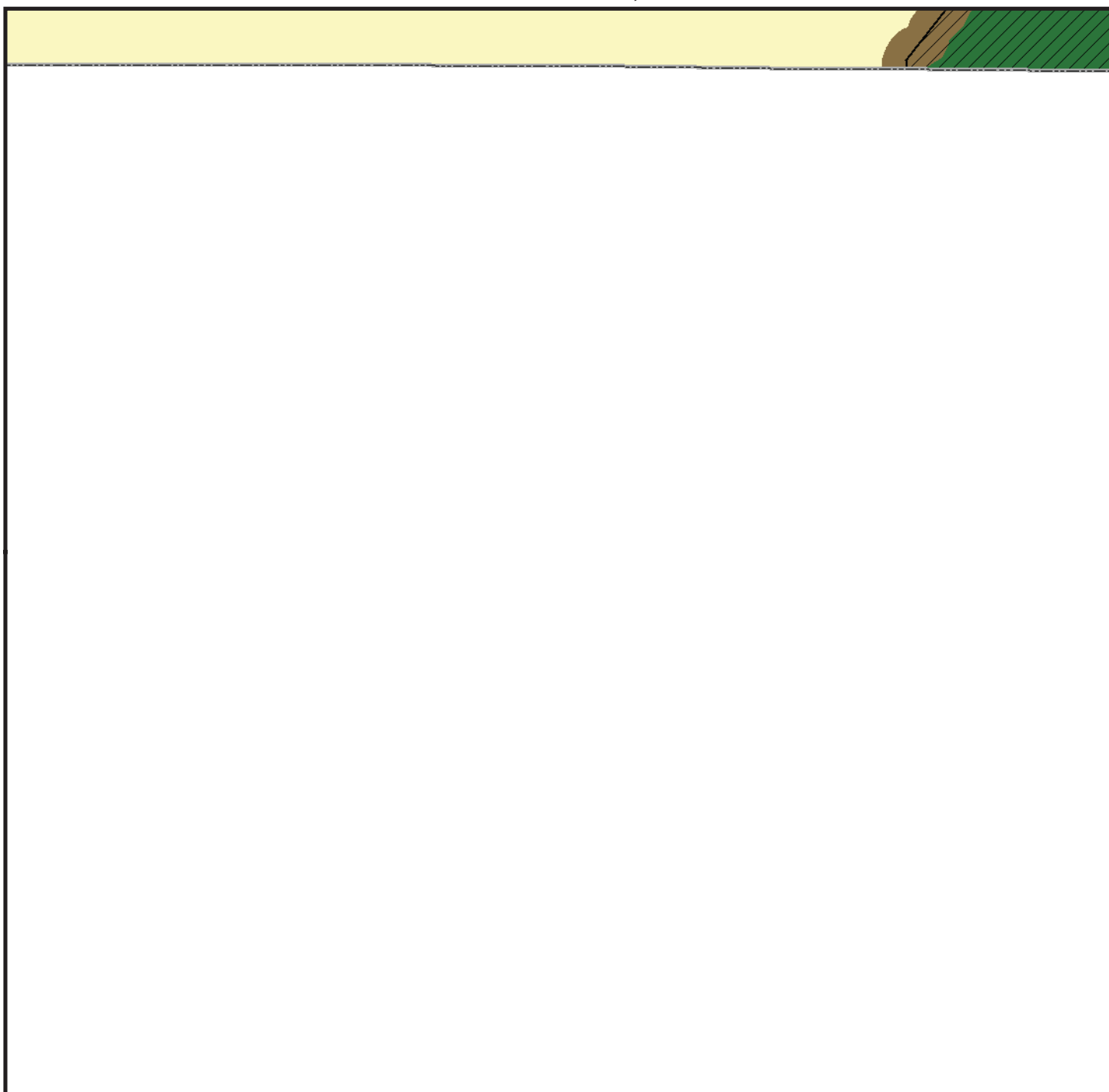


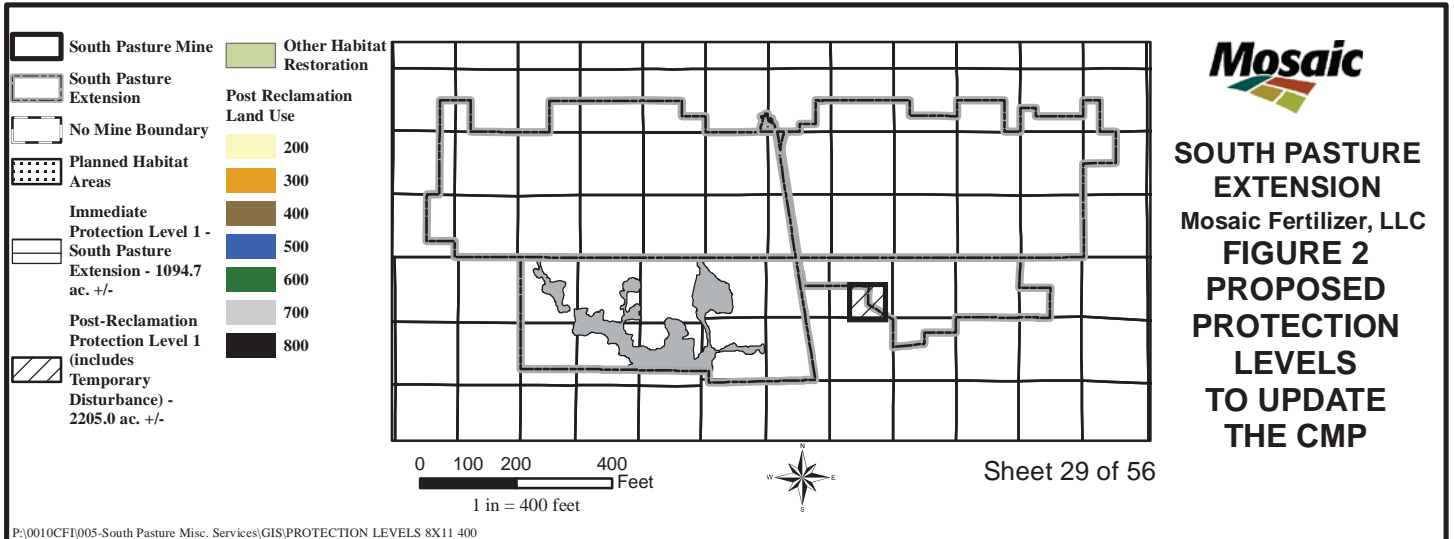
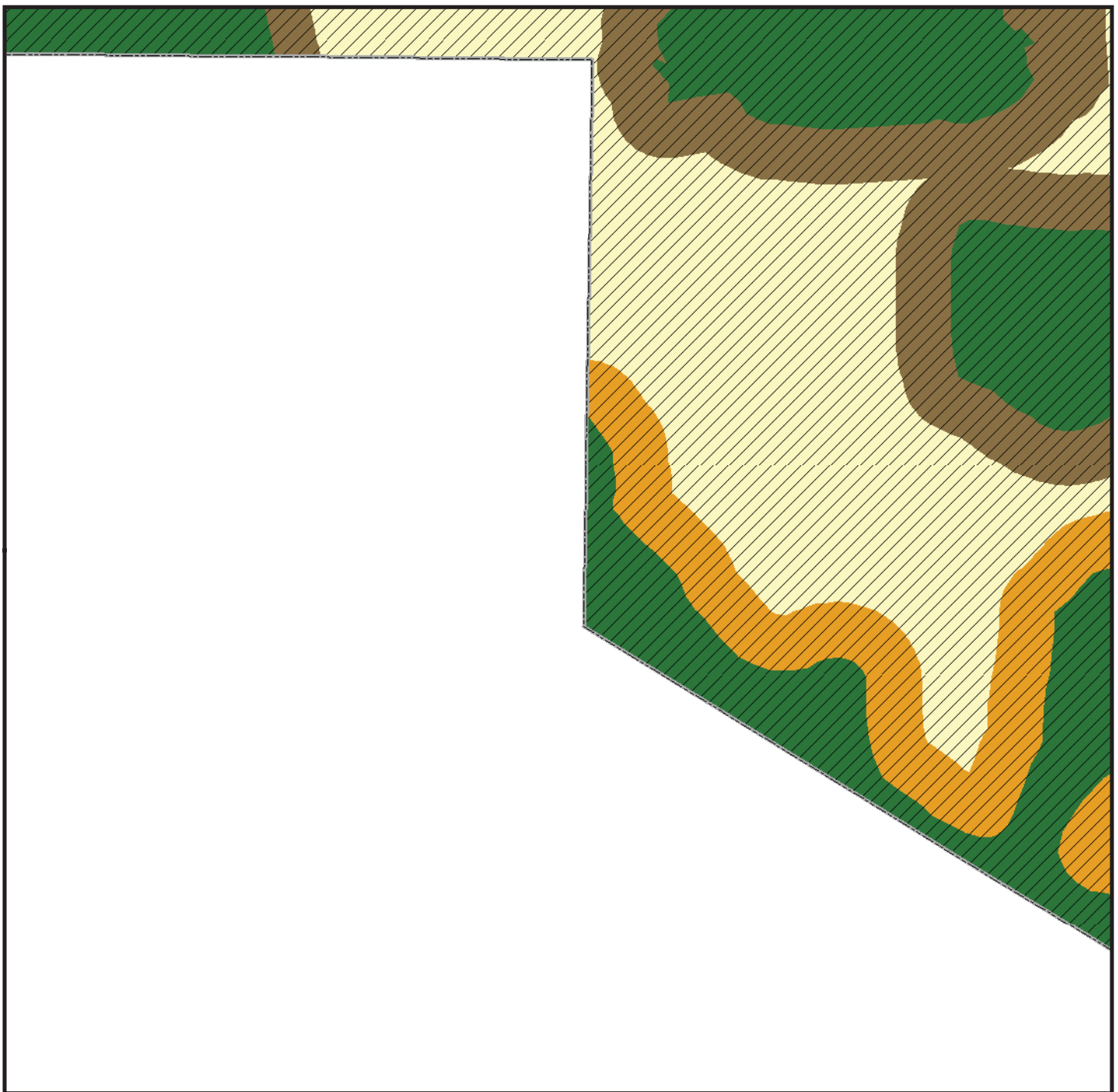
**SOUTH PASTURE
EXTENSION**
Mosaic Fertilizer, LLC
**FIGURE 2
PROPOSED
PROTECTION
LEVELS
TO UPDATE
THE CMP**

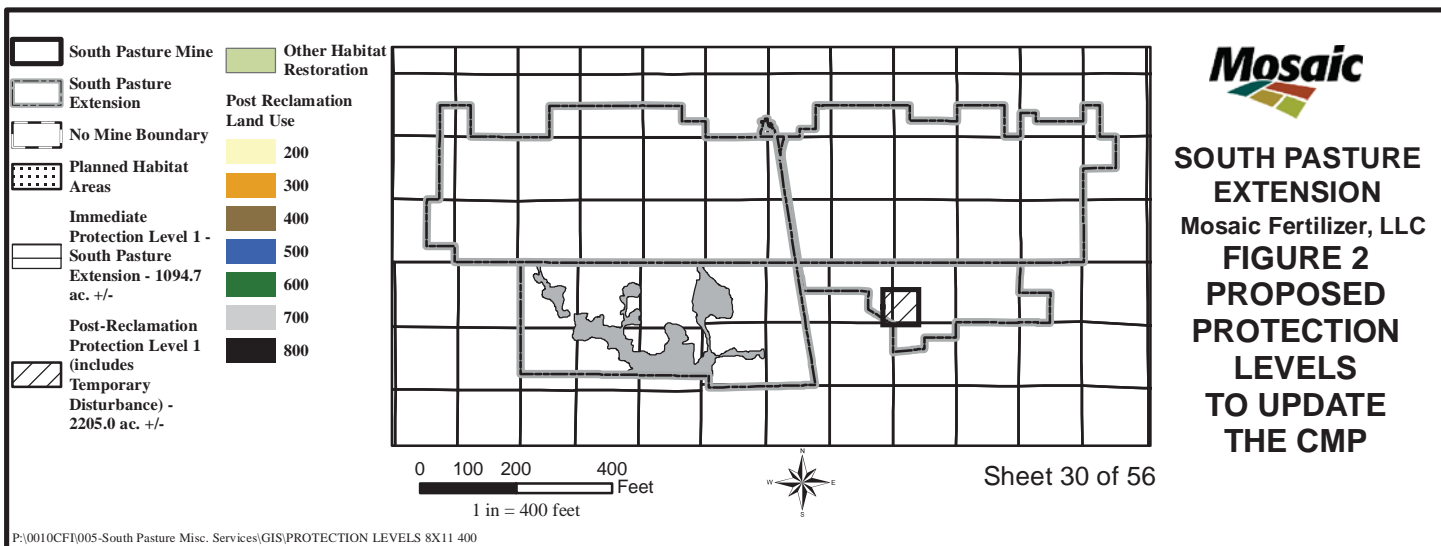
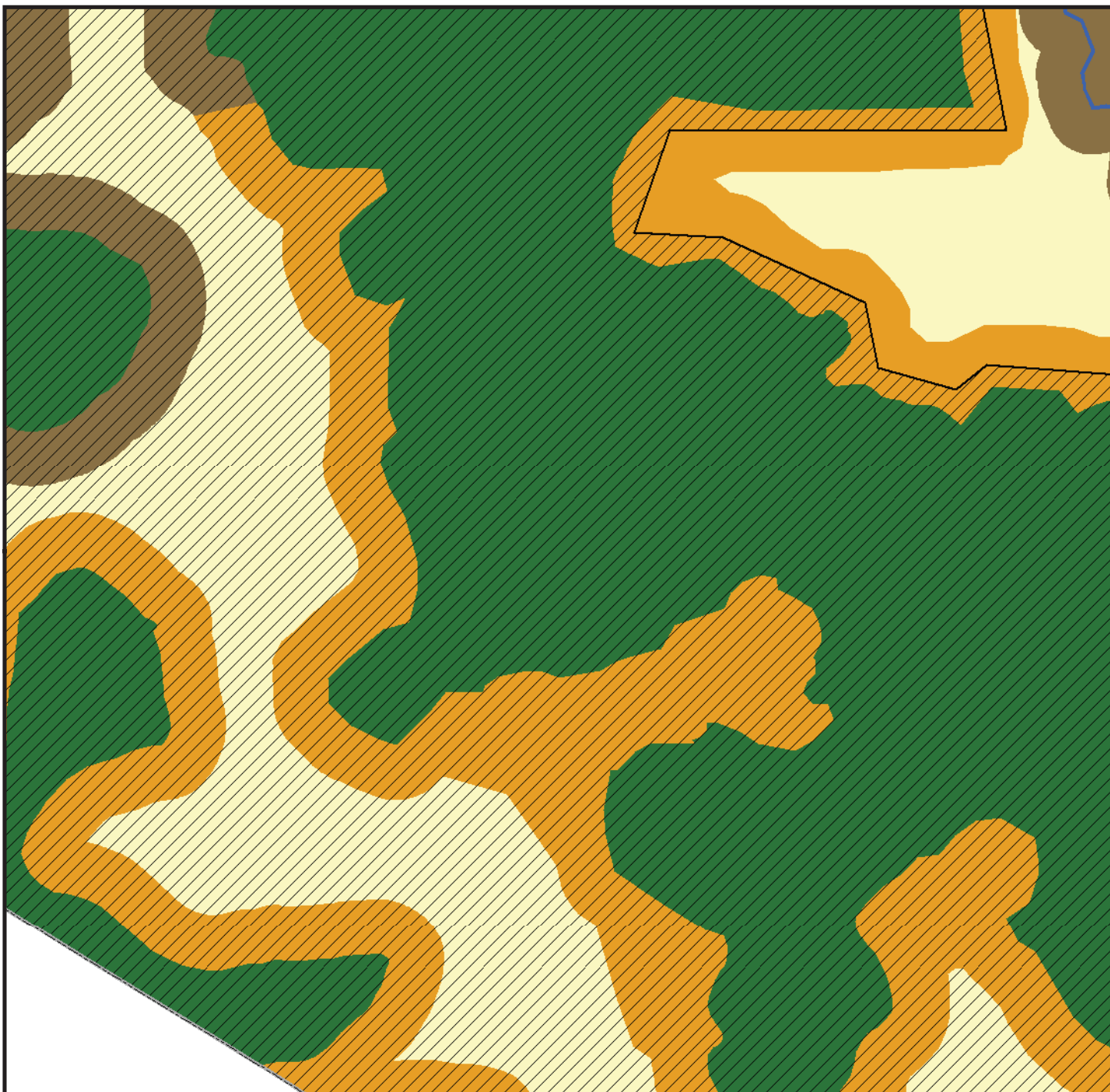


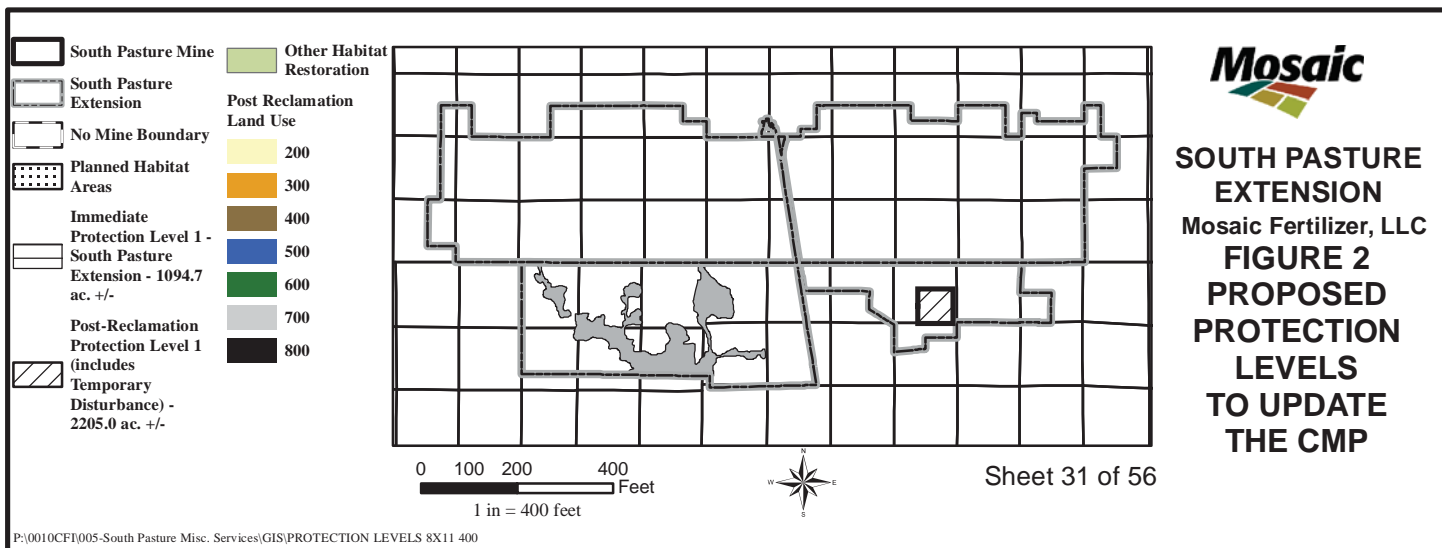


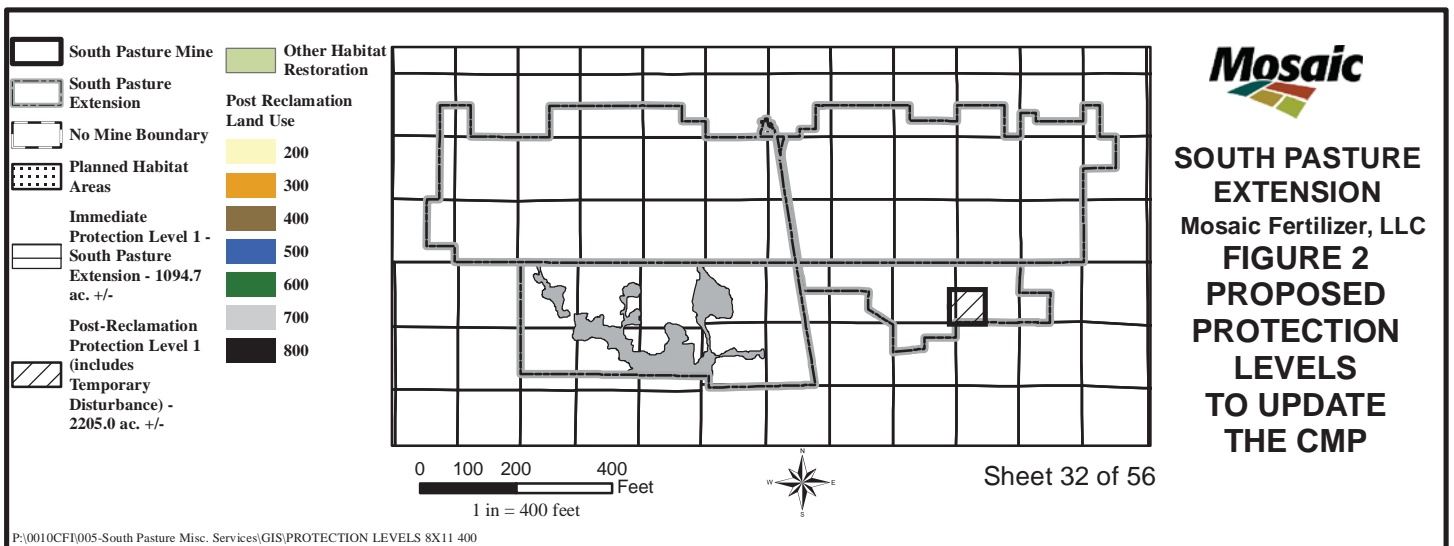
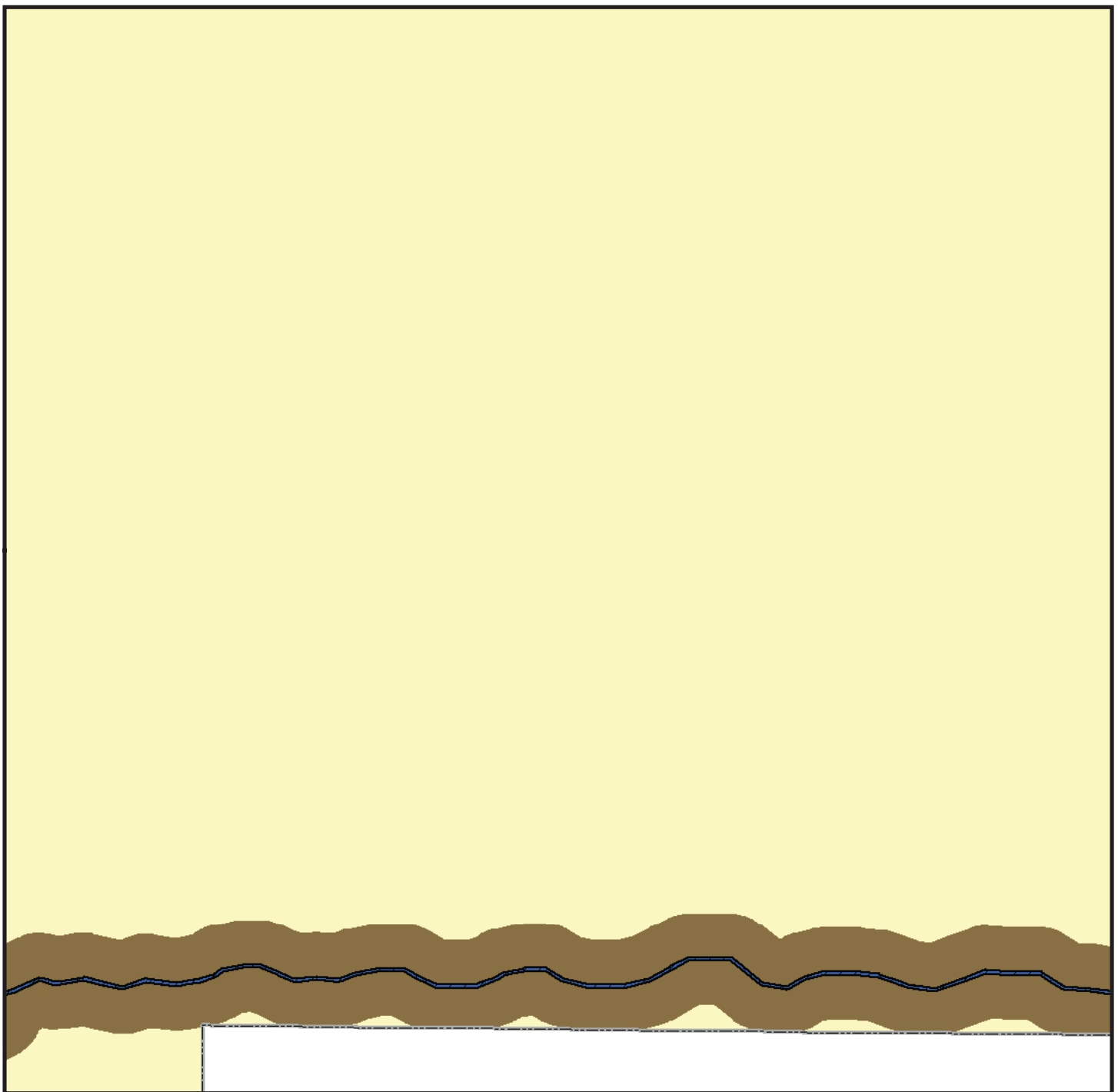


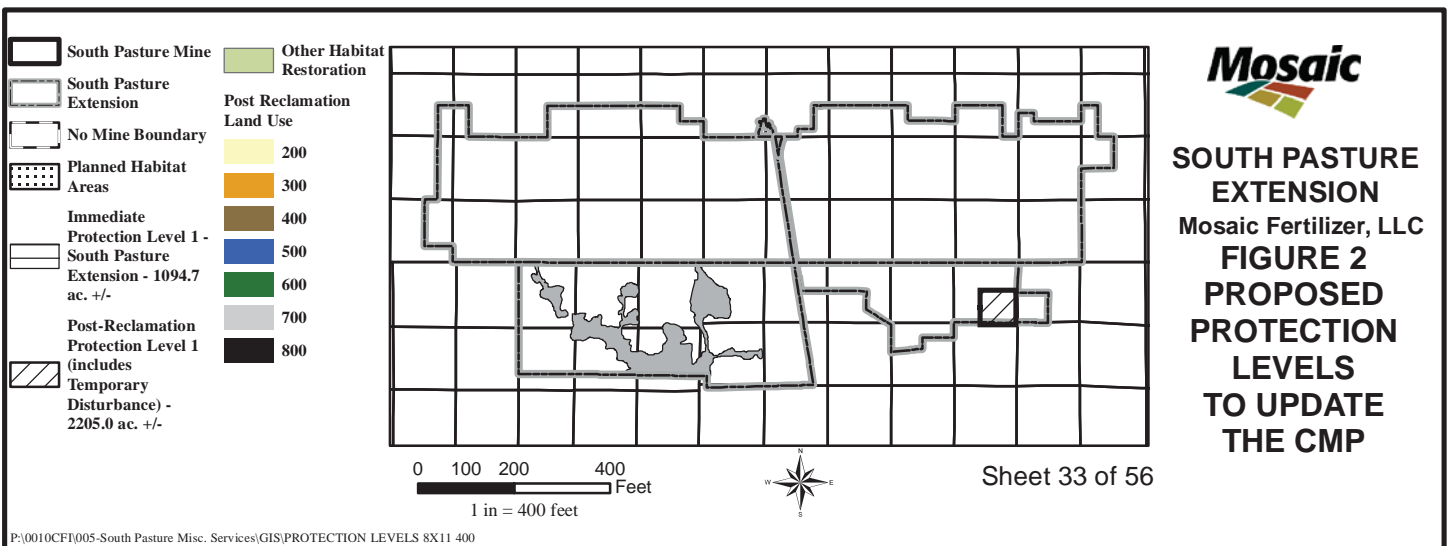
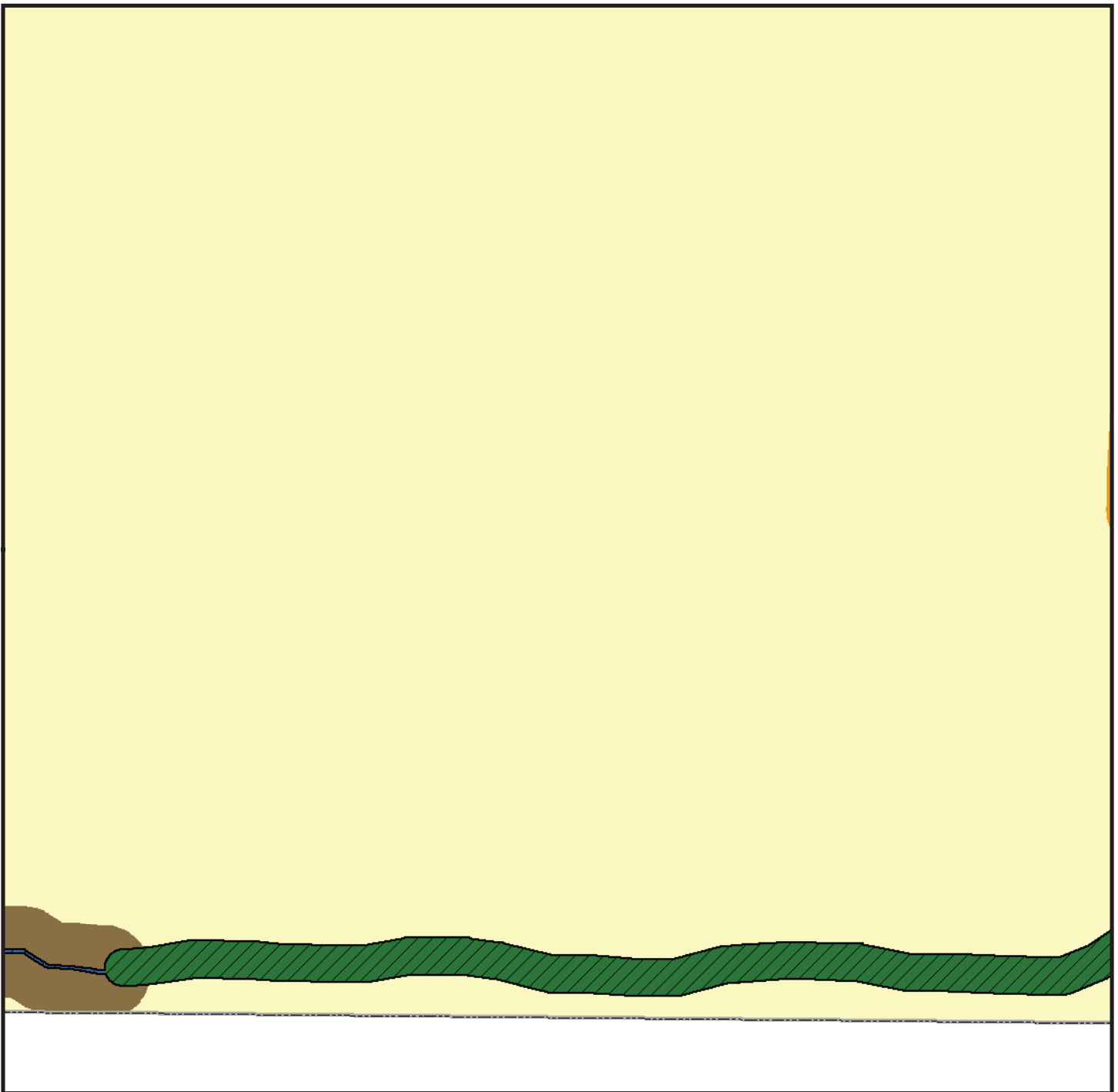


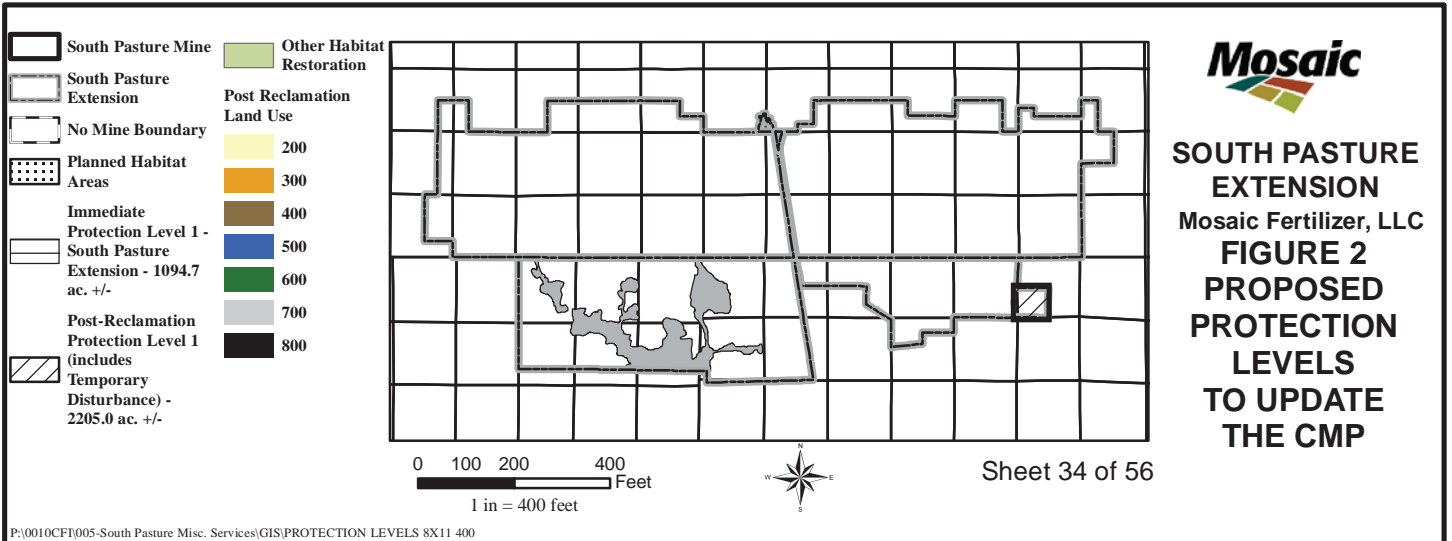


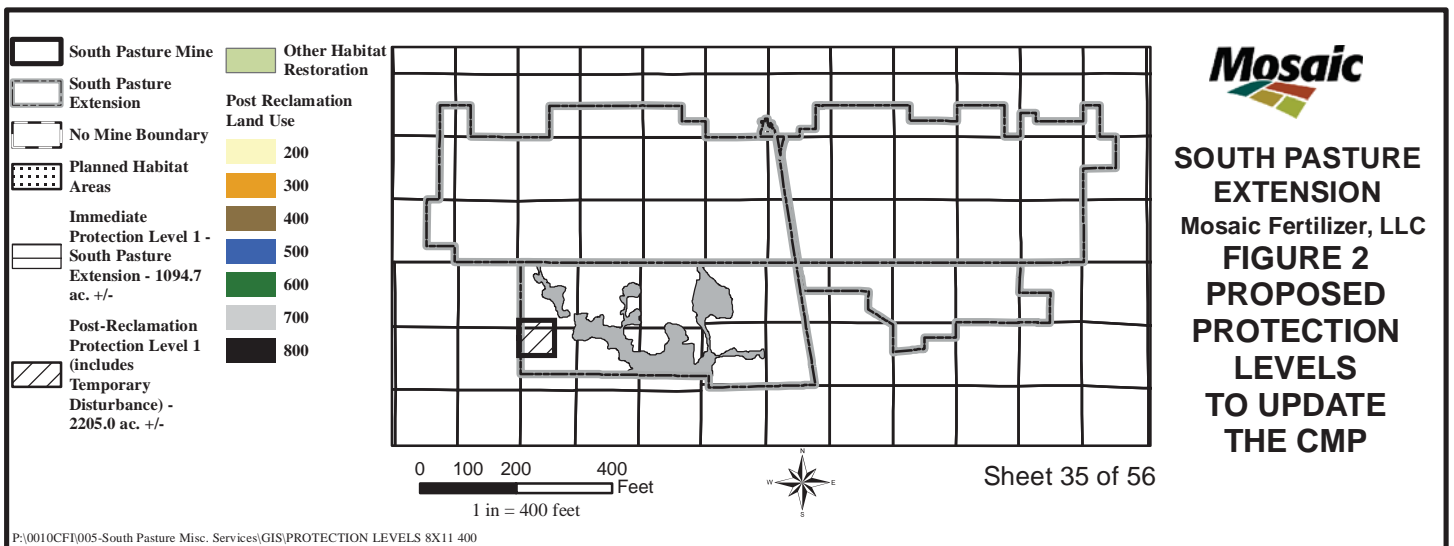
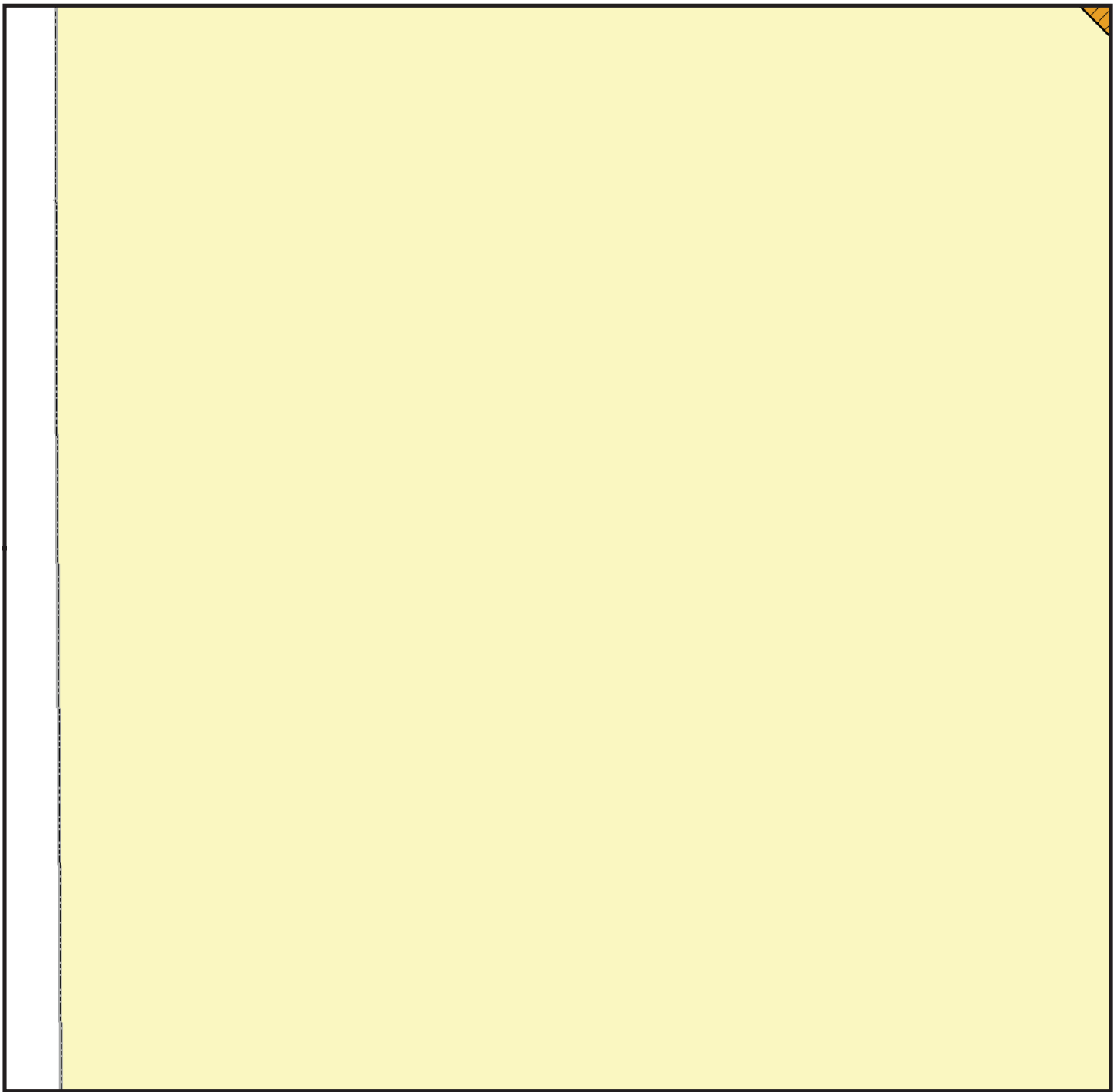


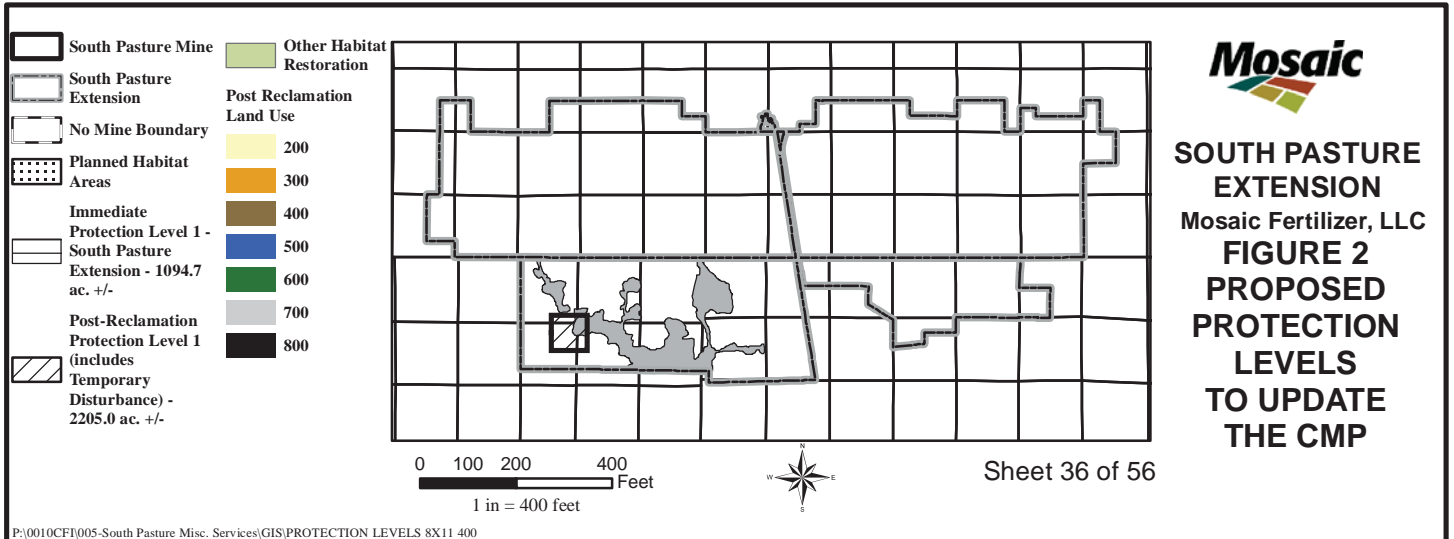


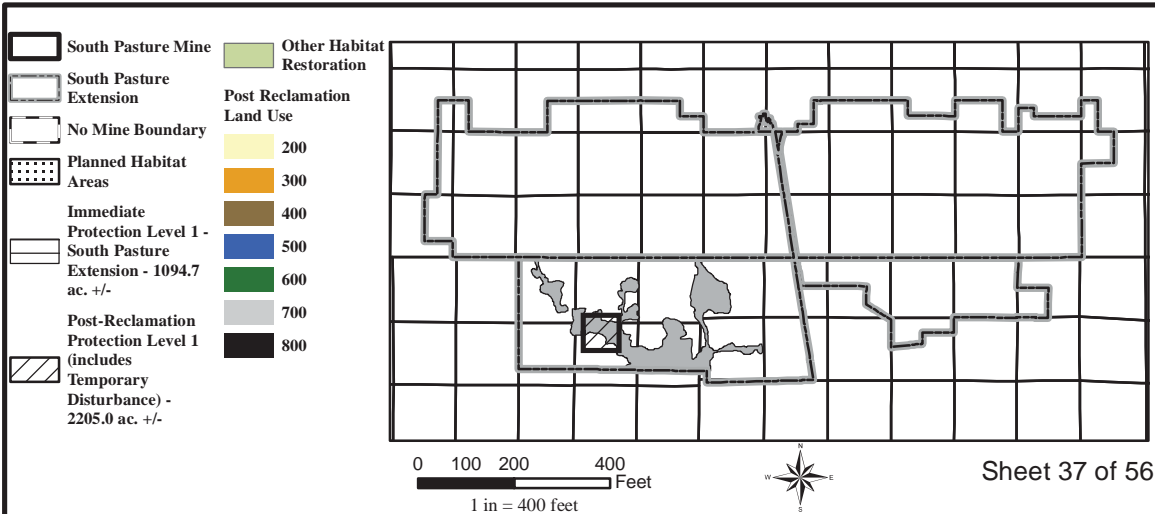
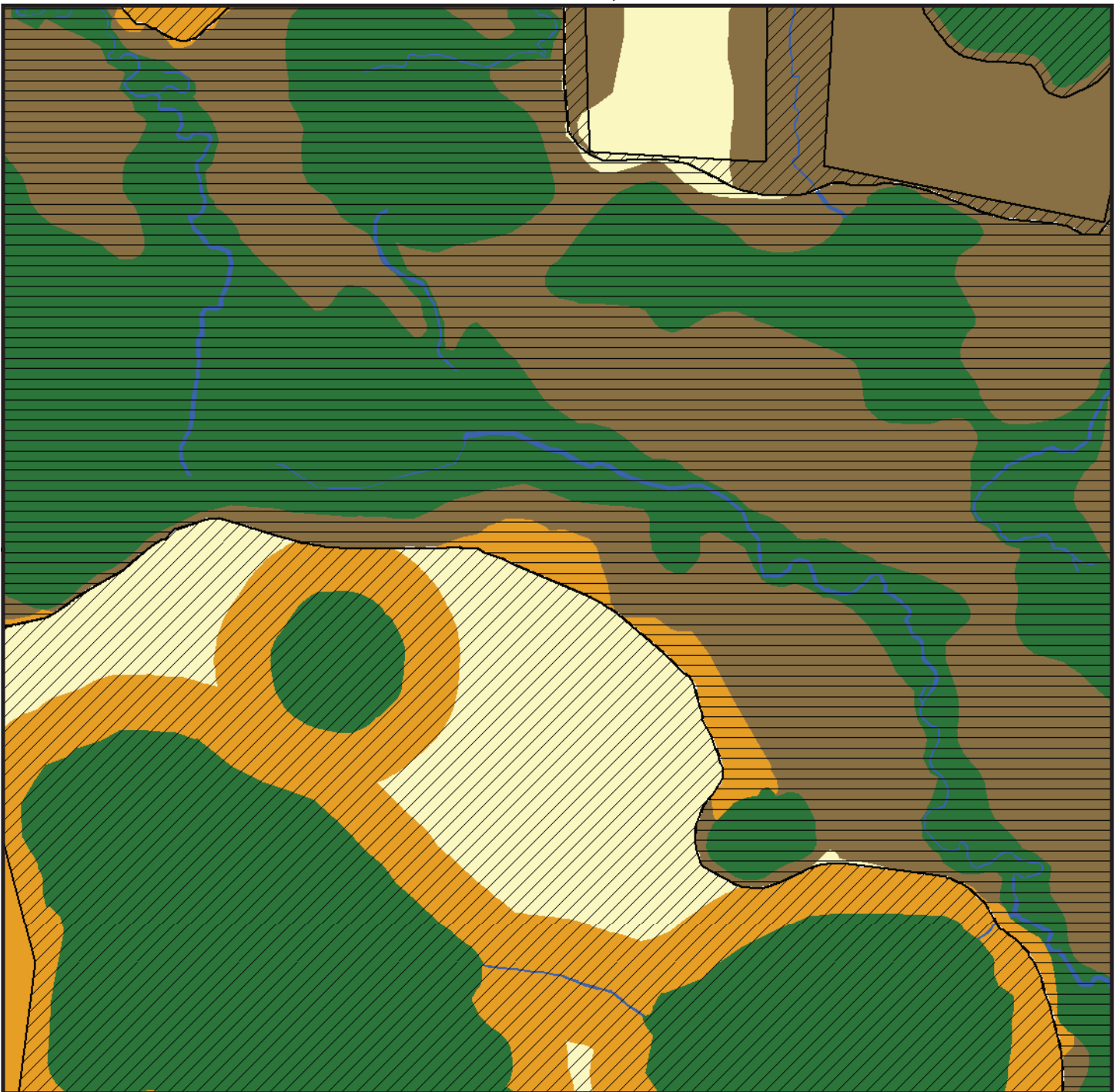




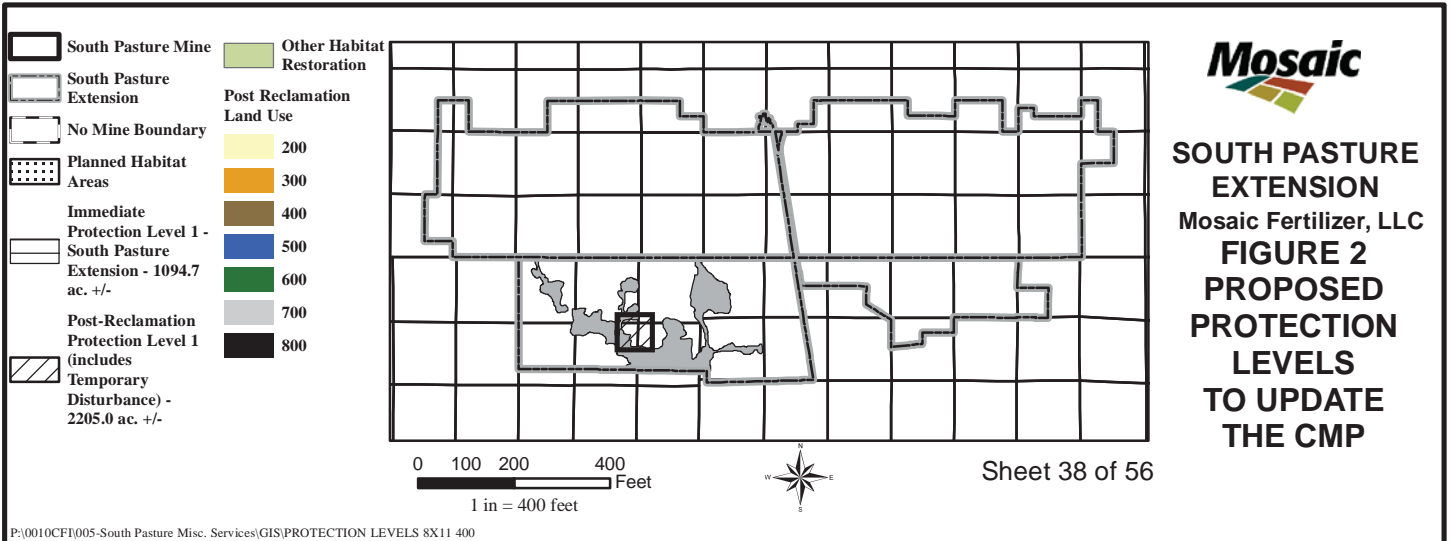
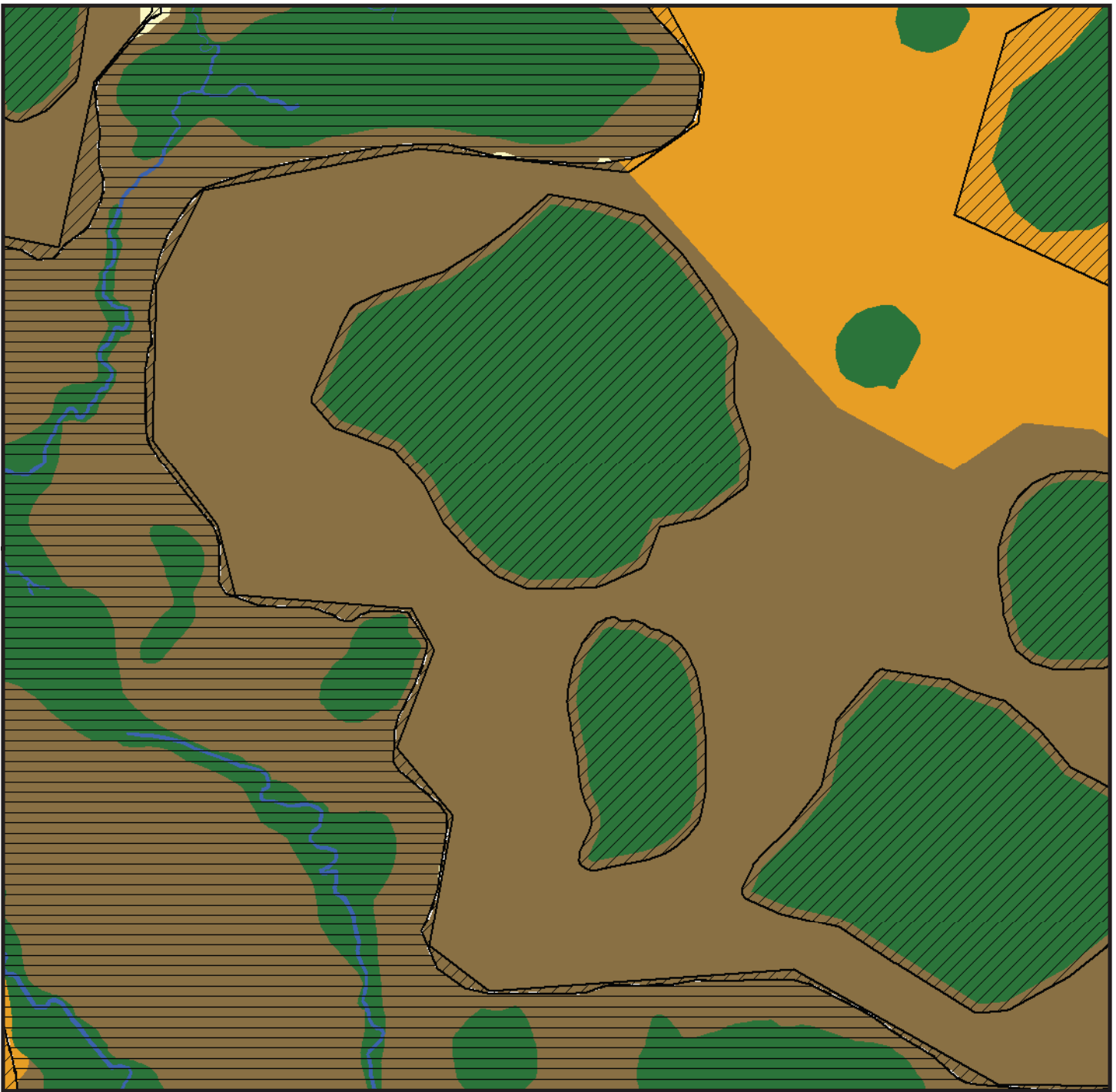


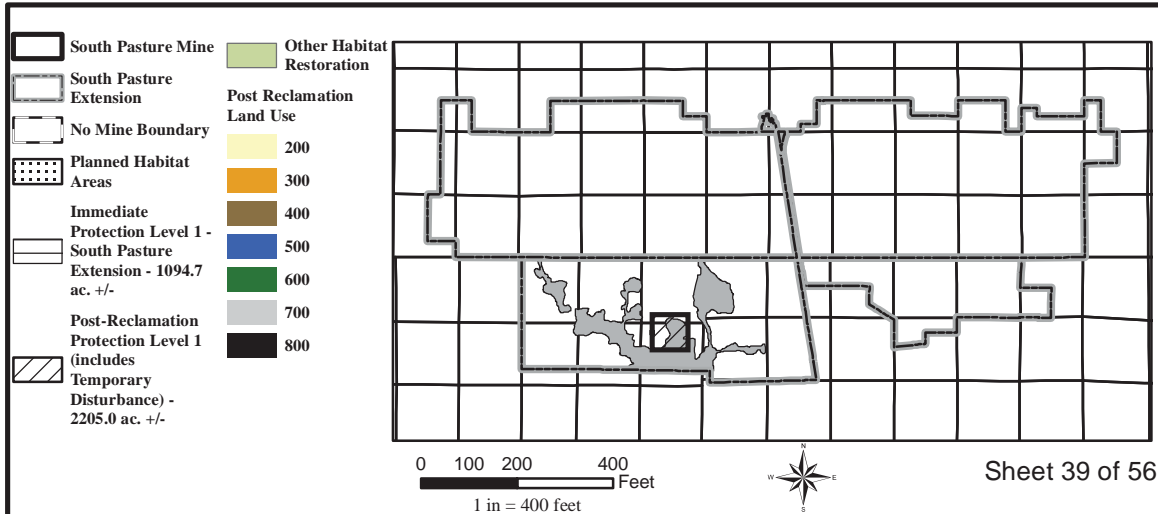
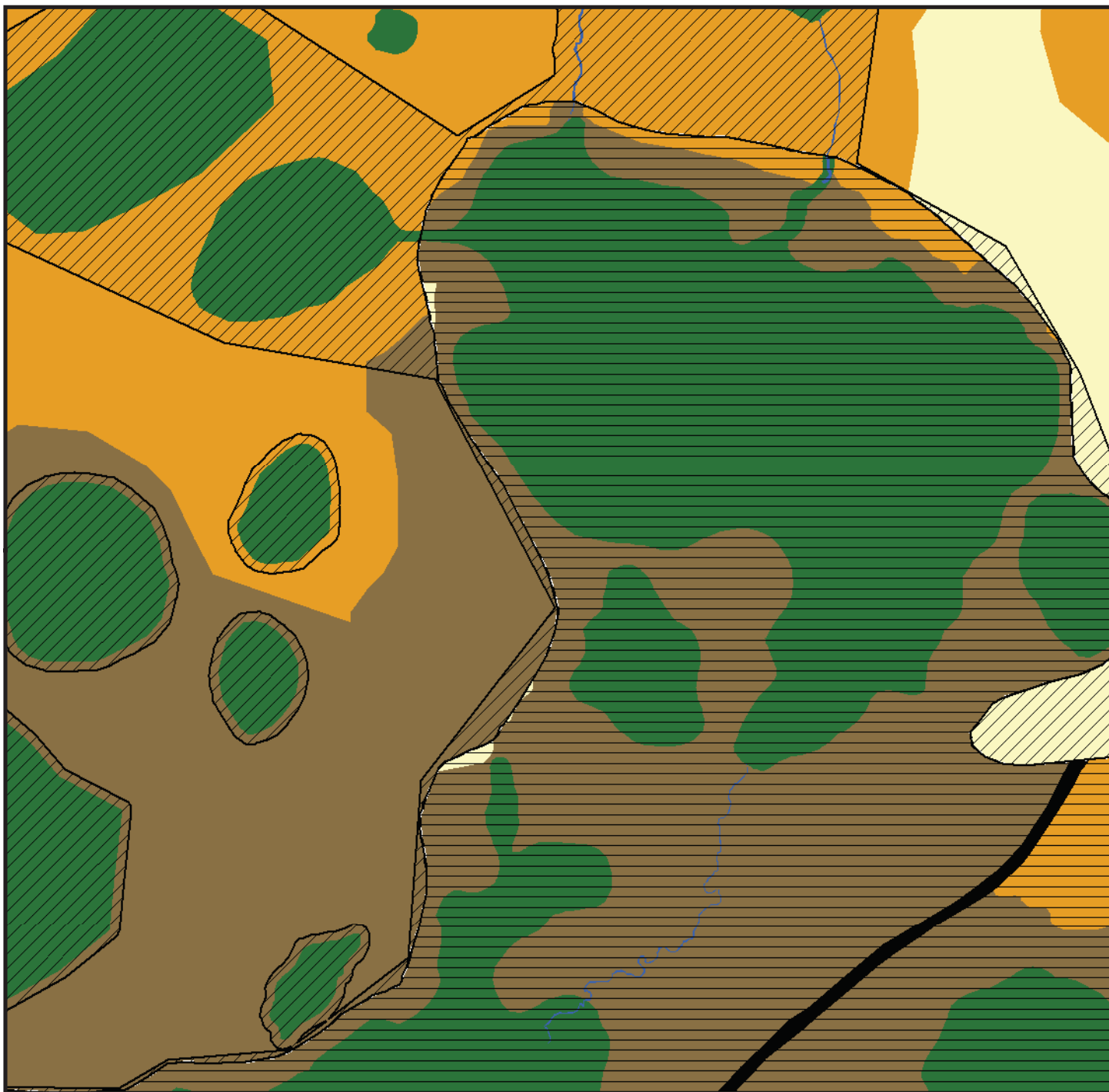




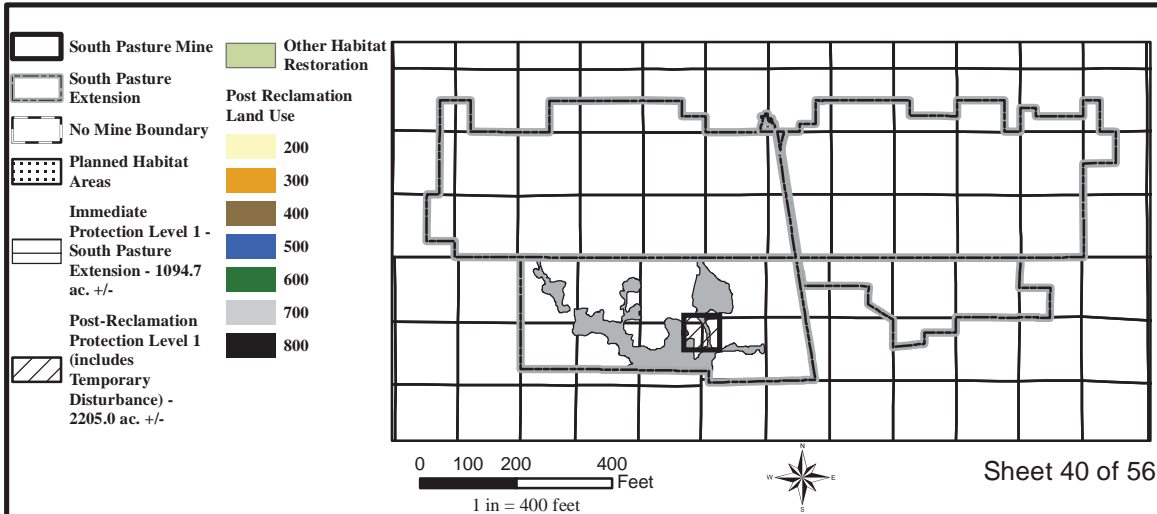


**SOUTH PASTURE
EXTENSION**
Mosaic Fertilizer, LLC
**FIGURE 2
PROPOSED
PROTECTION
LEVELS
TO UPDATE
THE CMP**

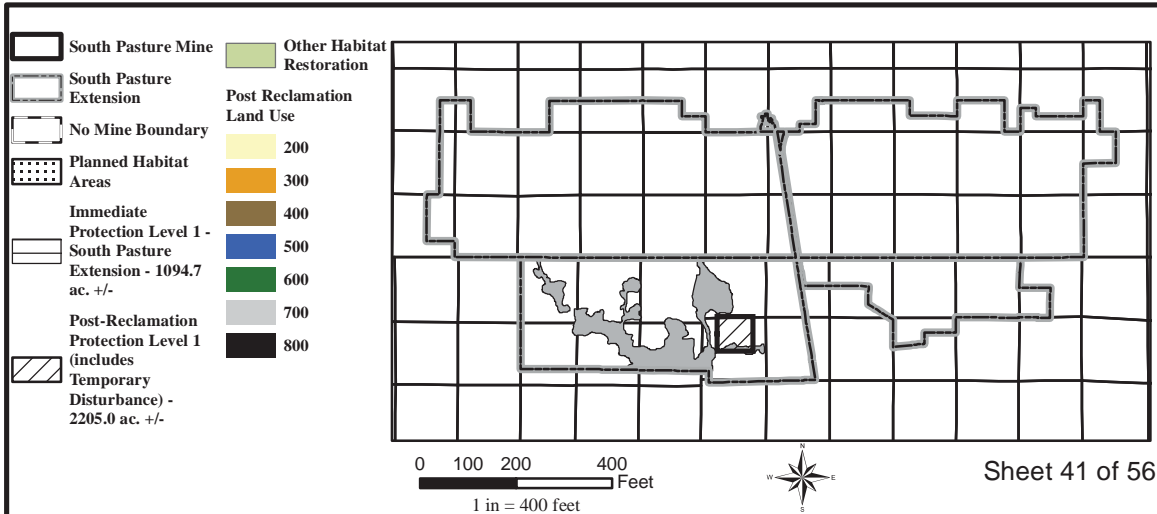
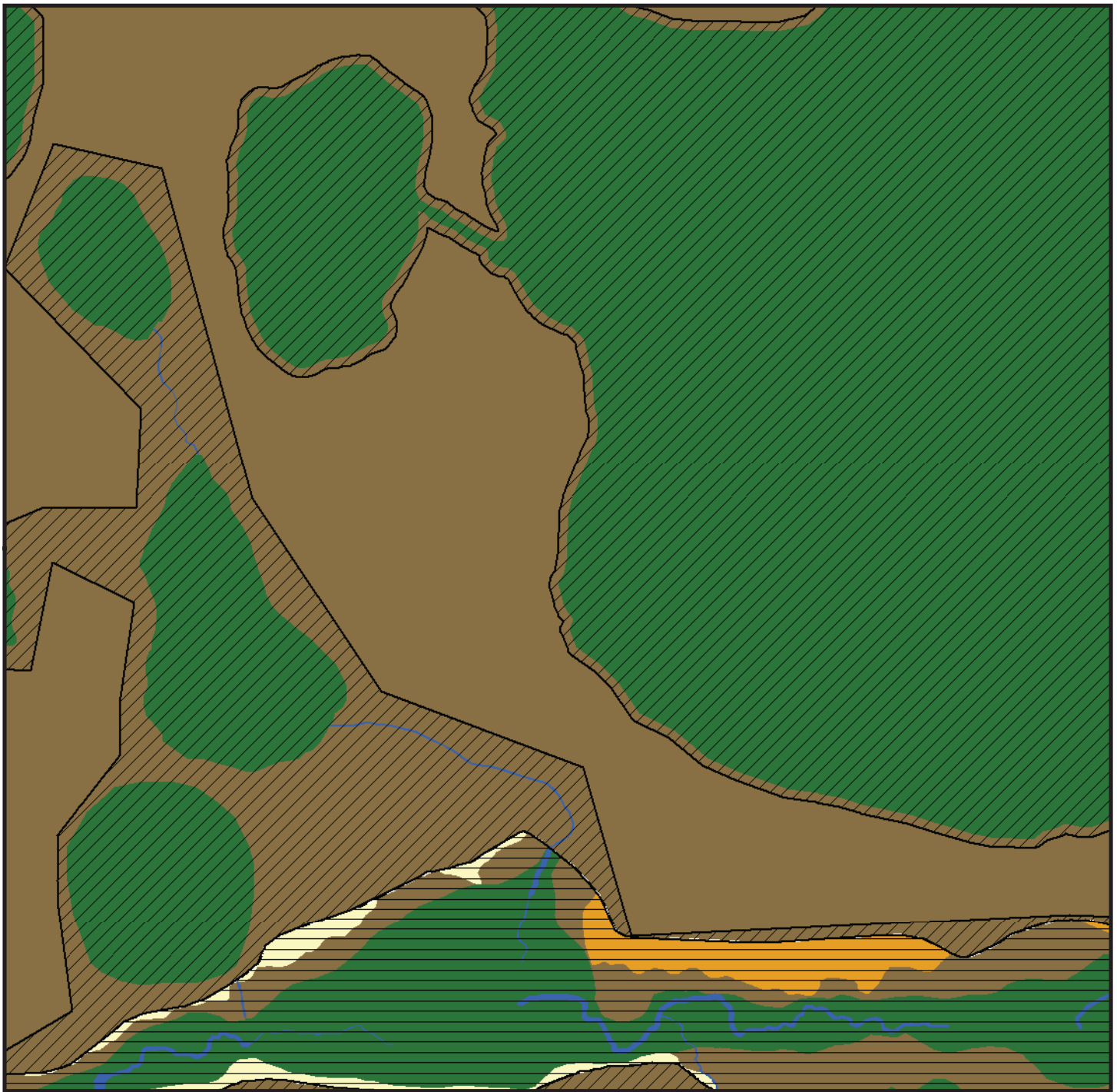




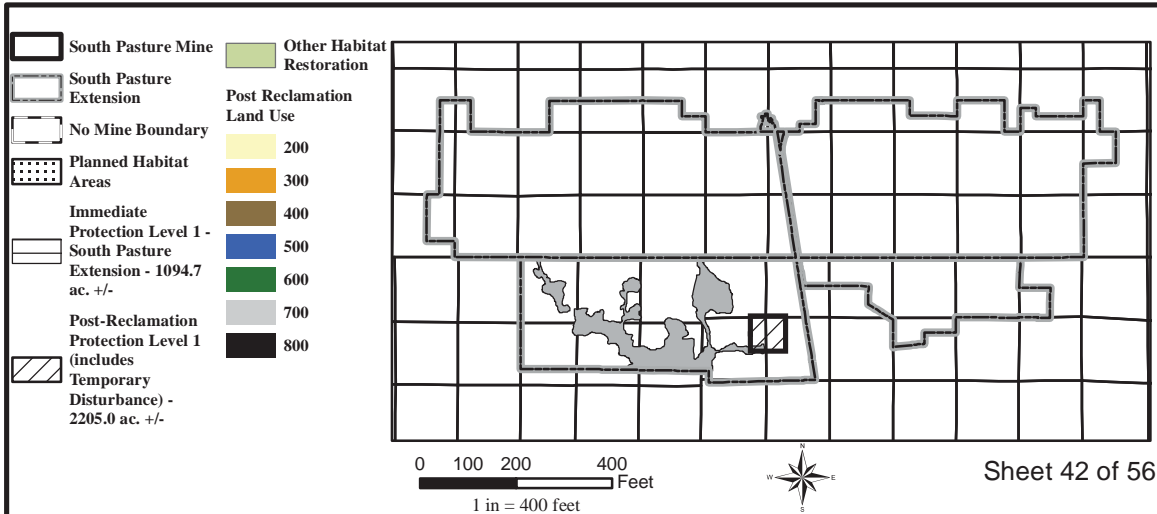
**SOUTH PASTURE
EXTENSION**
Mosaic Fertilizer, LLC
**FIGURE 2
PROPOSED
PROTECTION
LEVELS
TO UPDATE
THE CMP**



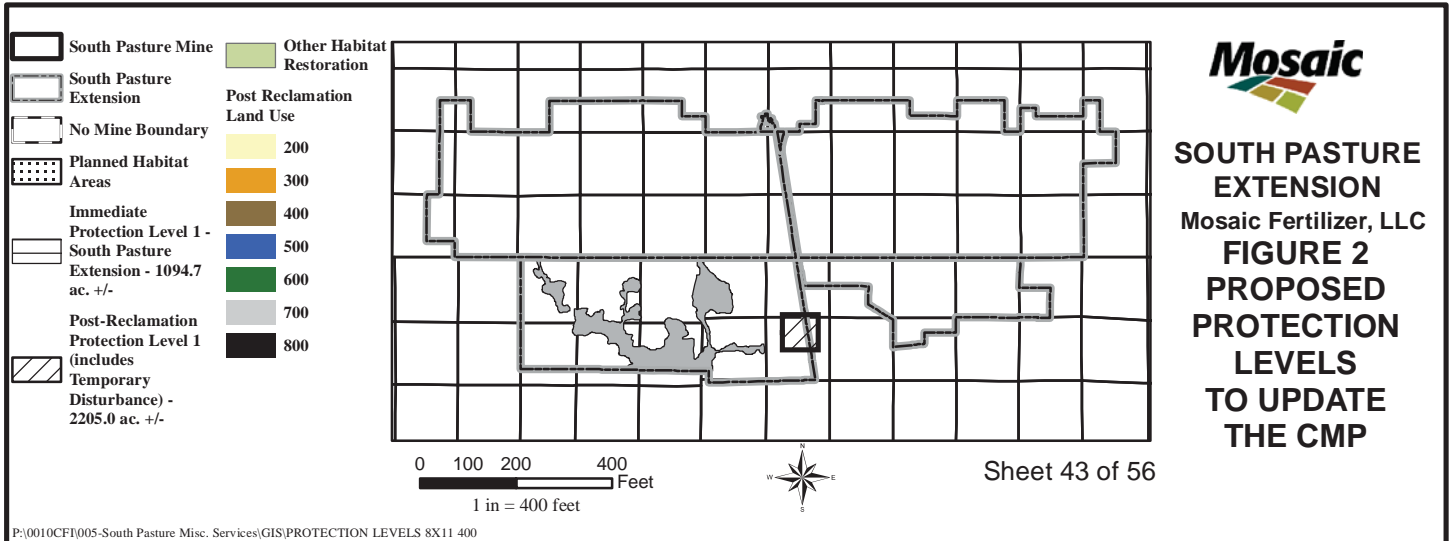
**SOUTH PASTURE
EXTENSION**
Mosaic Fertilizer, LLC
**FIGURE 2
PROPOSED
PROTECTION
LEVELS
TO UPDATE
THE CMP**

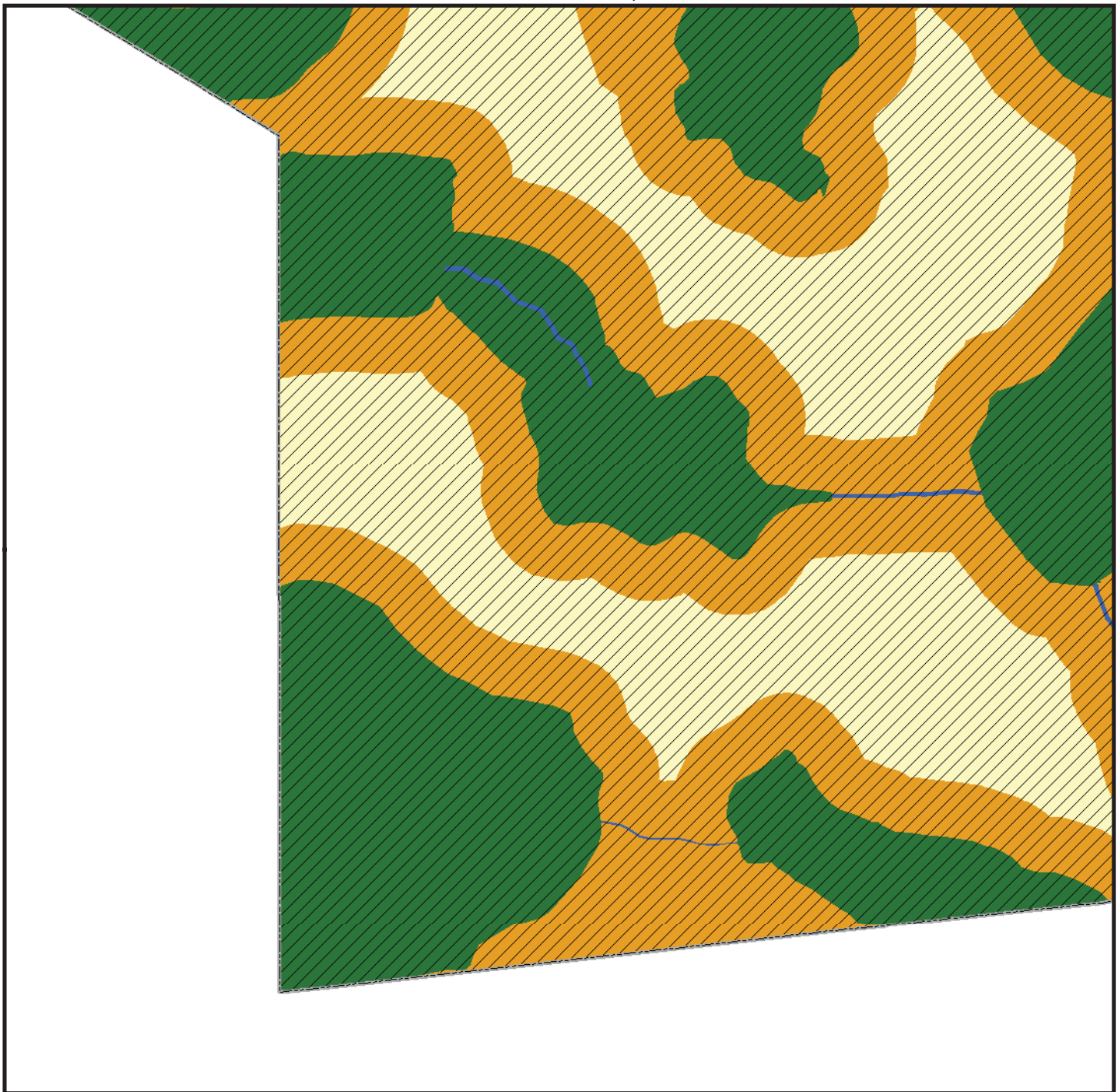


**SOUTH PASTURE
EXTENSION**
Mosaic Fertilizer, LLC
**FIGURE 2
PROPOSED
PROTECTION
LEVELS
TO UPDATE
THE CMP**

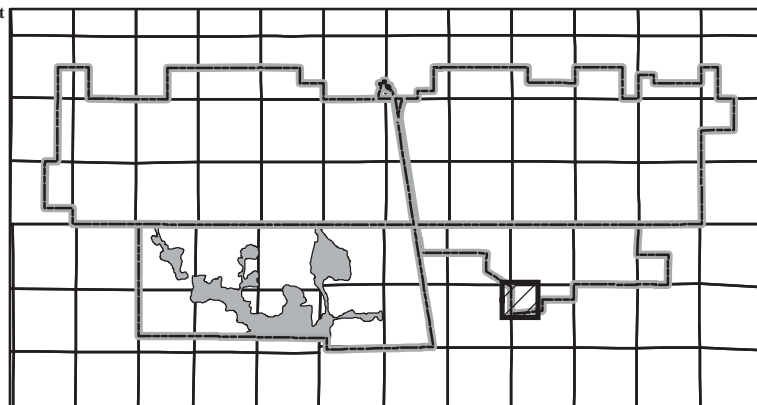


**SOUTH PASTURE
EXTENSION**
Mosaic Fertilizer, LLC
**FIGURE 2
PROPOSED
PROTECTION
LEVELS
TO UPDATE
THE CMP**





- | | |
|---|----------------------------------|
| South Pasture Mine | Other Habitat Restoration |
| South Pasture Extension | Post Reclamation Land Use |
| No Mine Boundary | 200 |
| Planned Habitat Areas | 300 |
| Immediate Protection Level 1 - South Pasture Extension - 1094.7 ac. +/- | 400 |
| Post-Reclamation Protection Level 1 (includes Temporary Disturbance) - 2205.0 ac. +/- | 500 |
| | 600 |
| | 700 |
| | 800 |



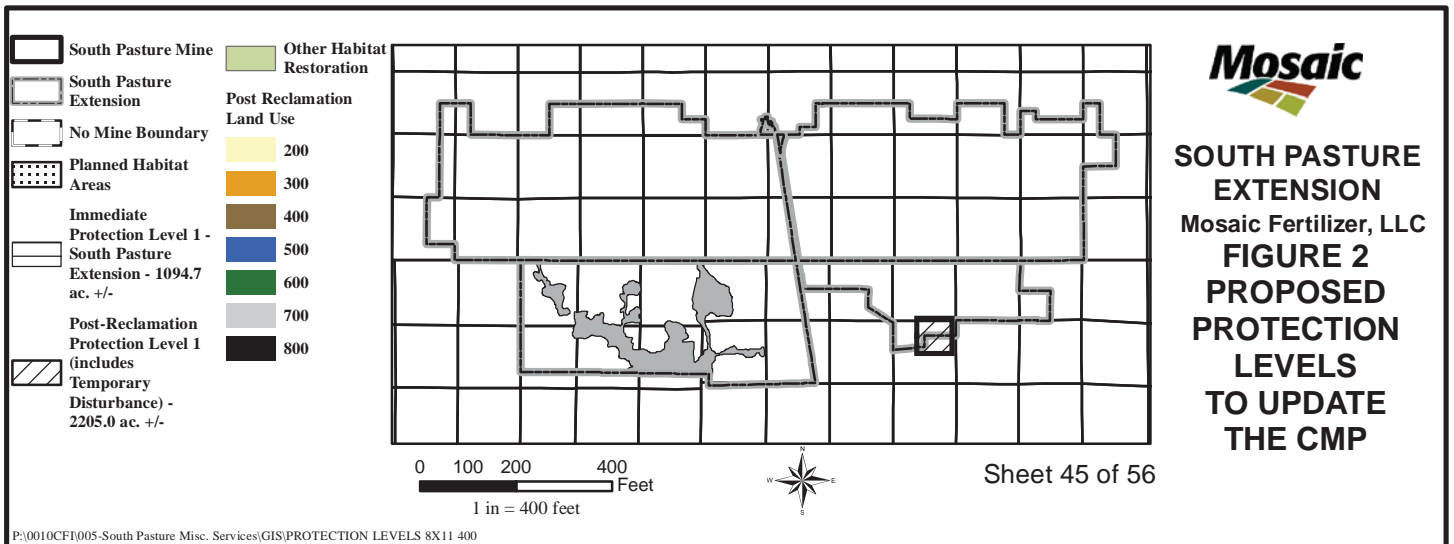
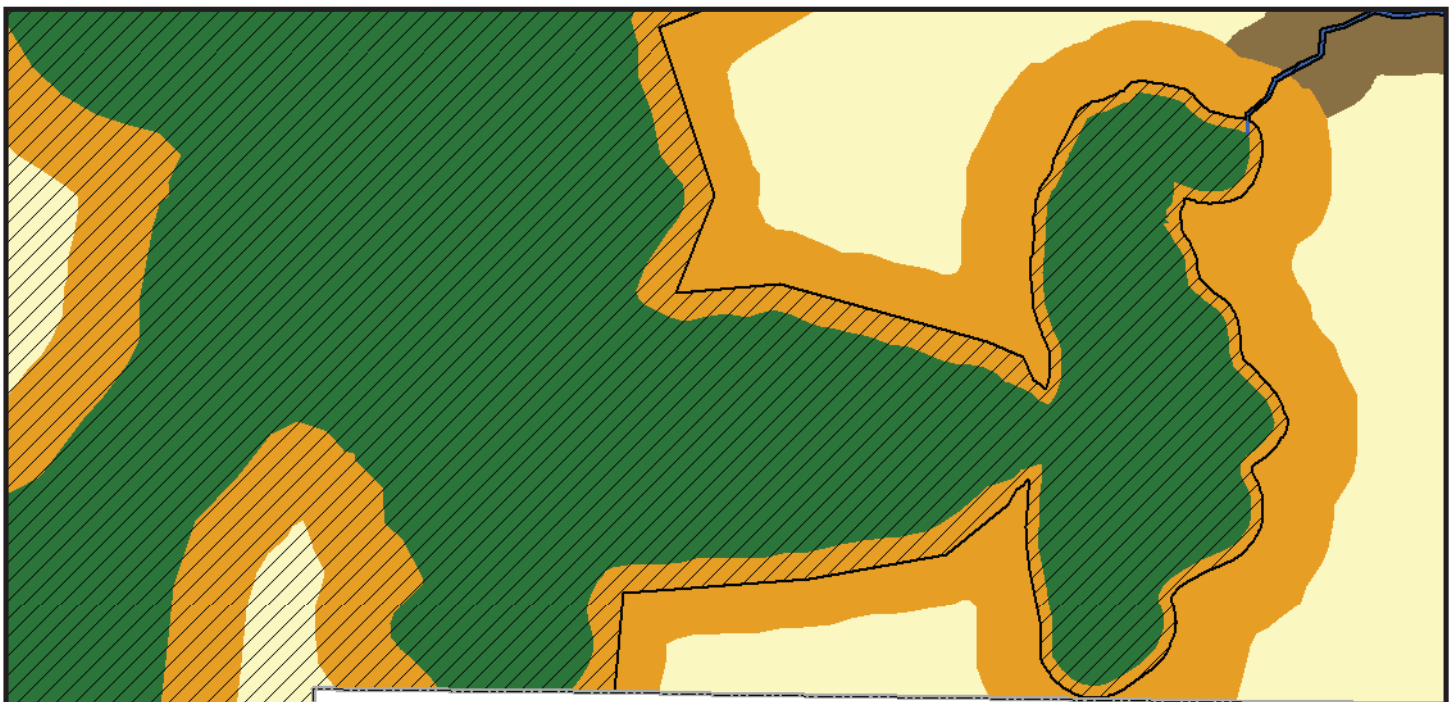
0 100 200 400
Feet
1 in = 400 feet

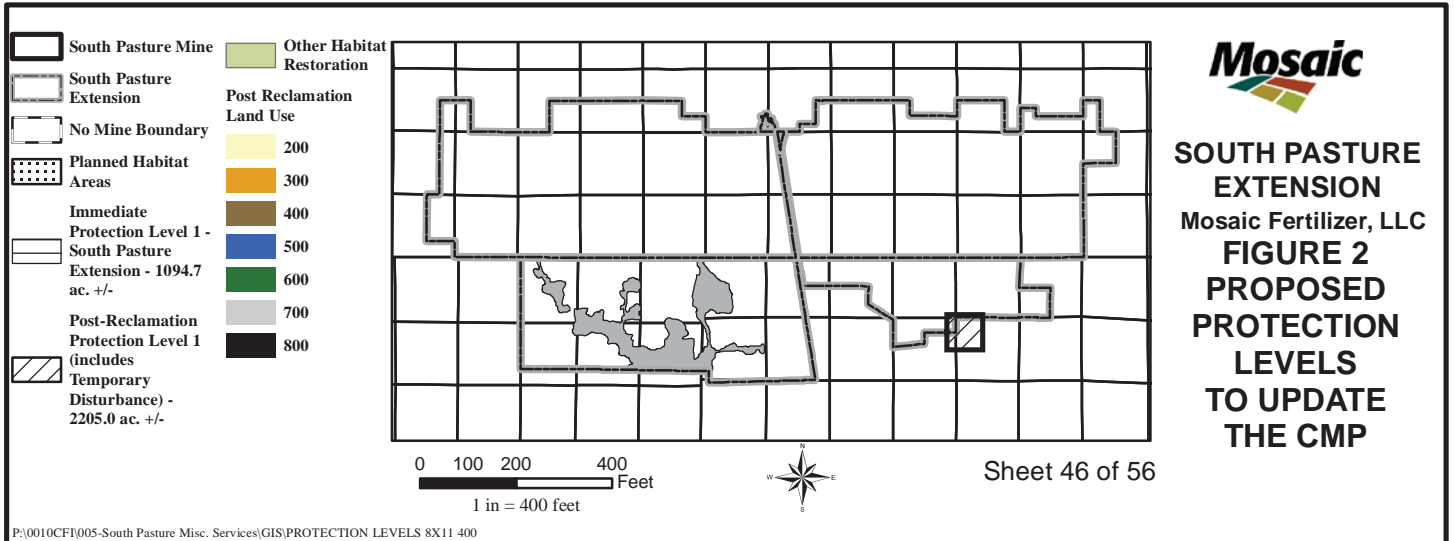
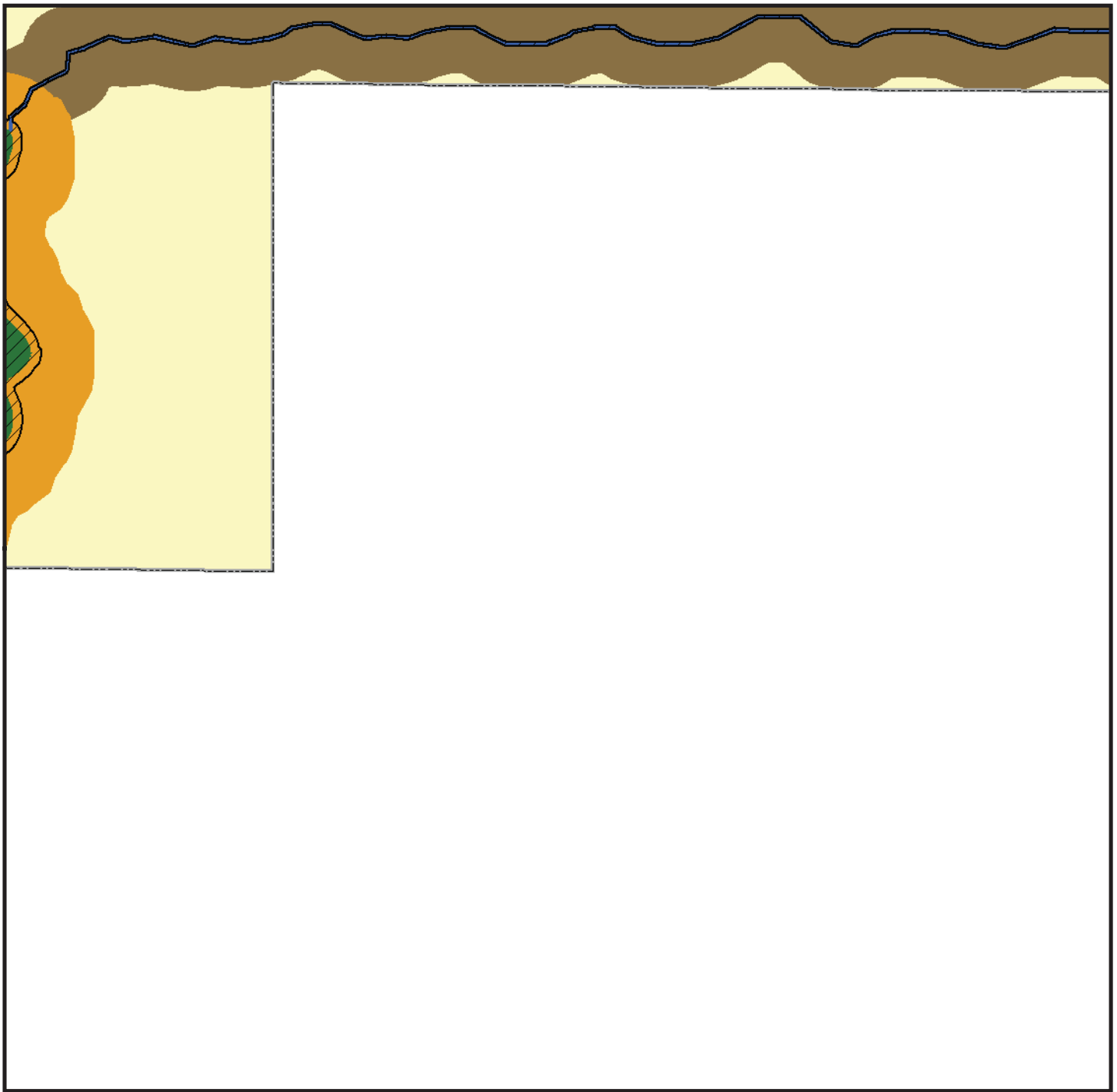


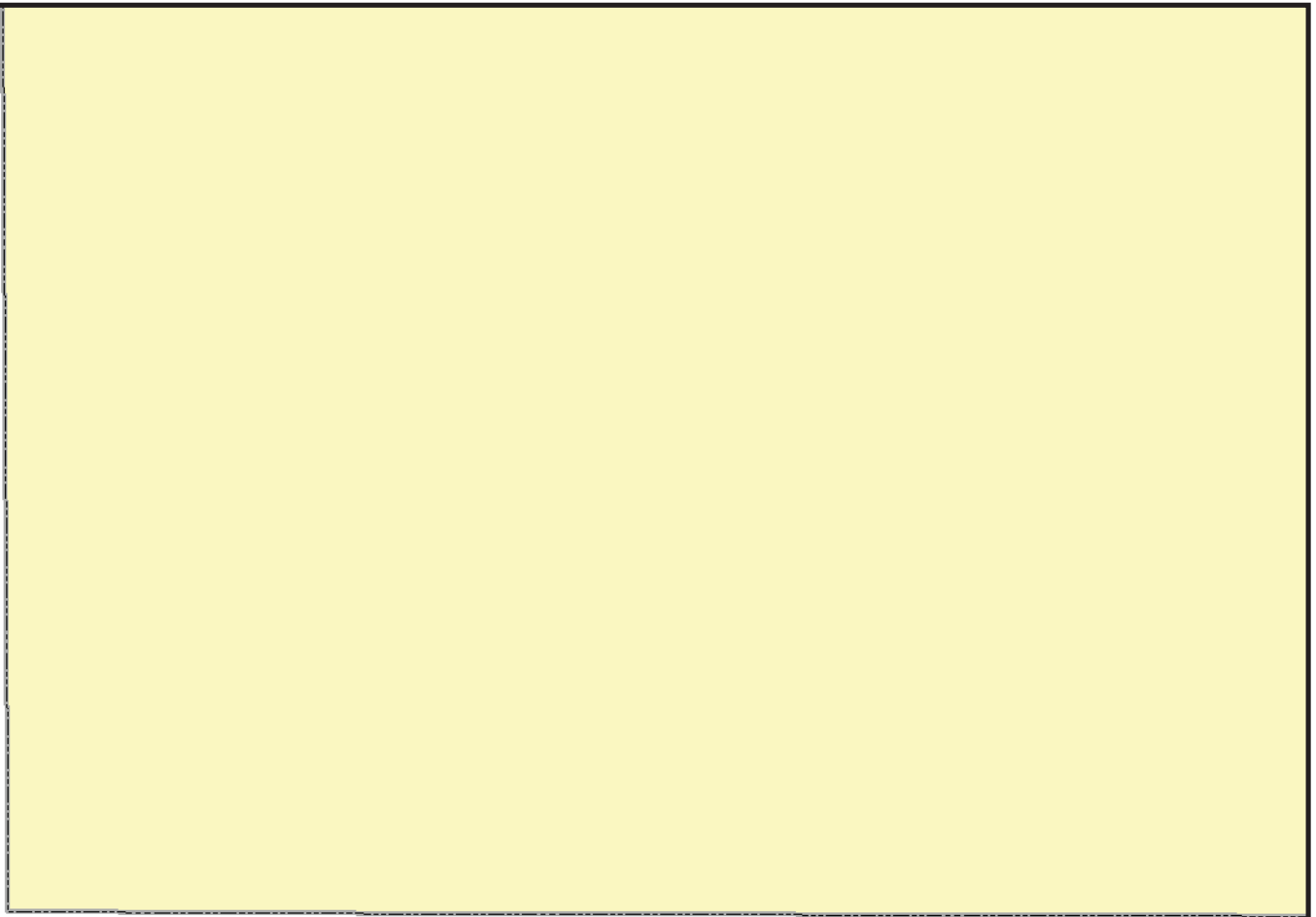
Sheet 44 of 56

















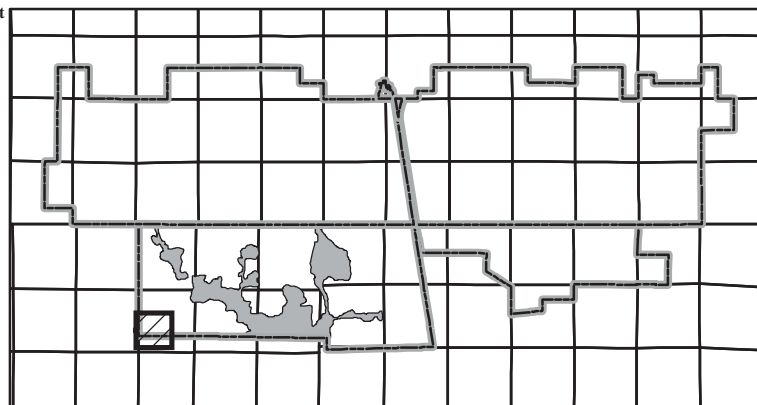
**SOUTH PASTURE
EXTENSION**
Mosaic Fertilizer, LLC
**FIGURE 2
PROPOSED
PROTECTION
LEVELS
TO UPDATE
THE CMP**





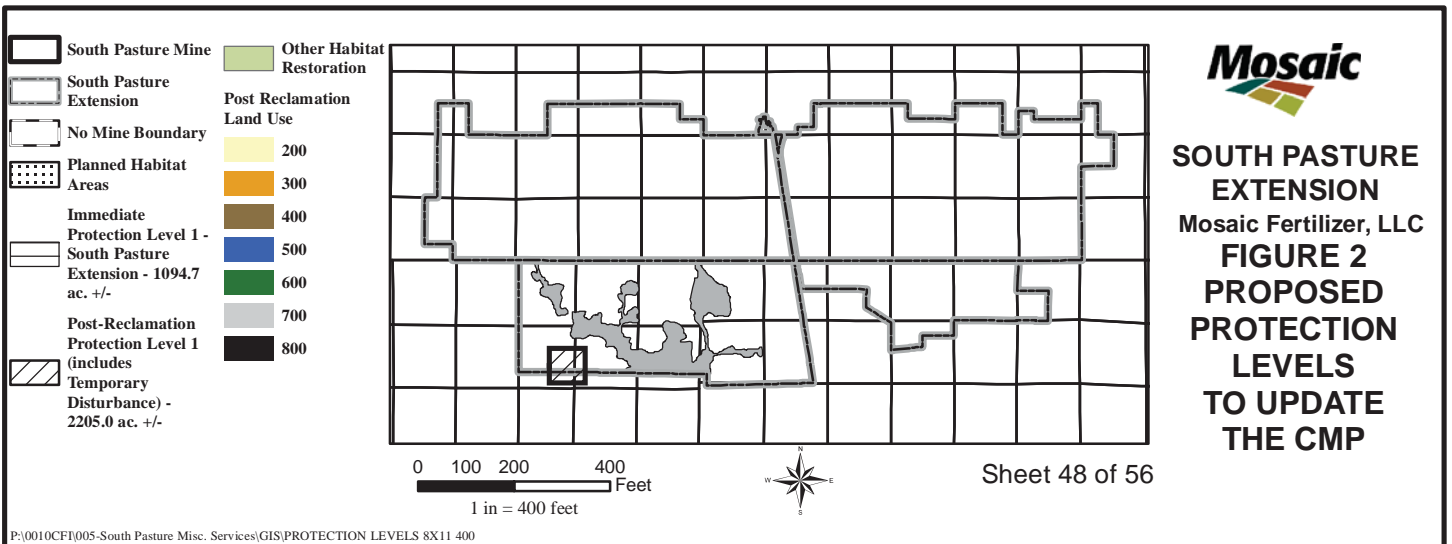
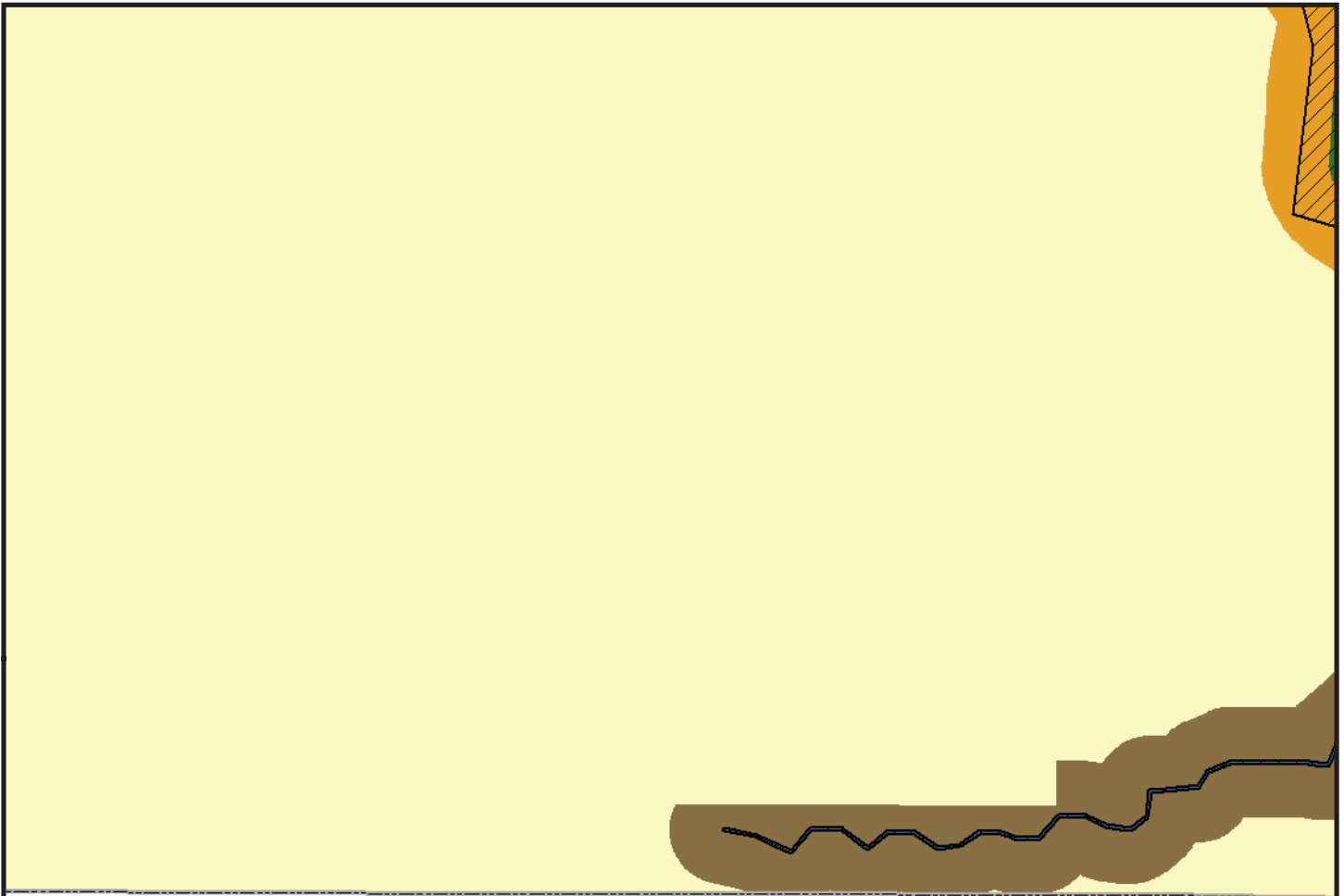


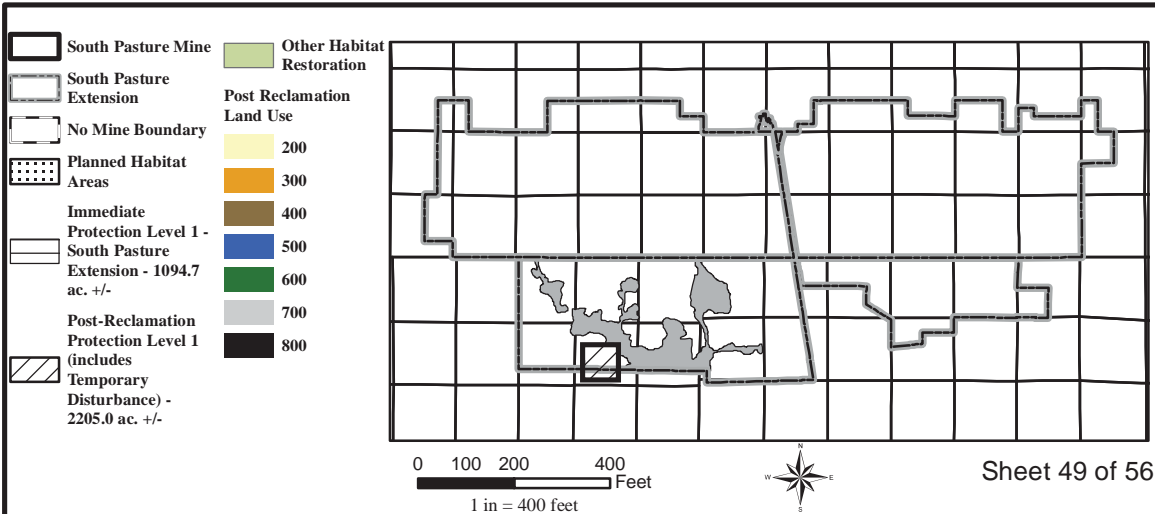
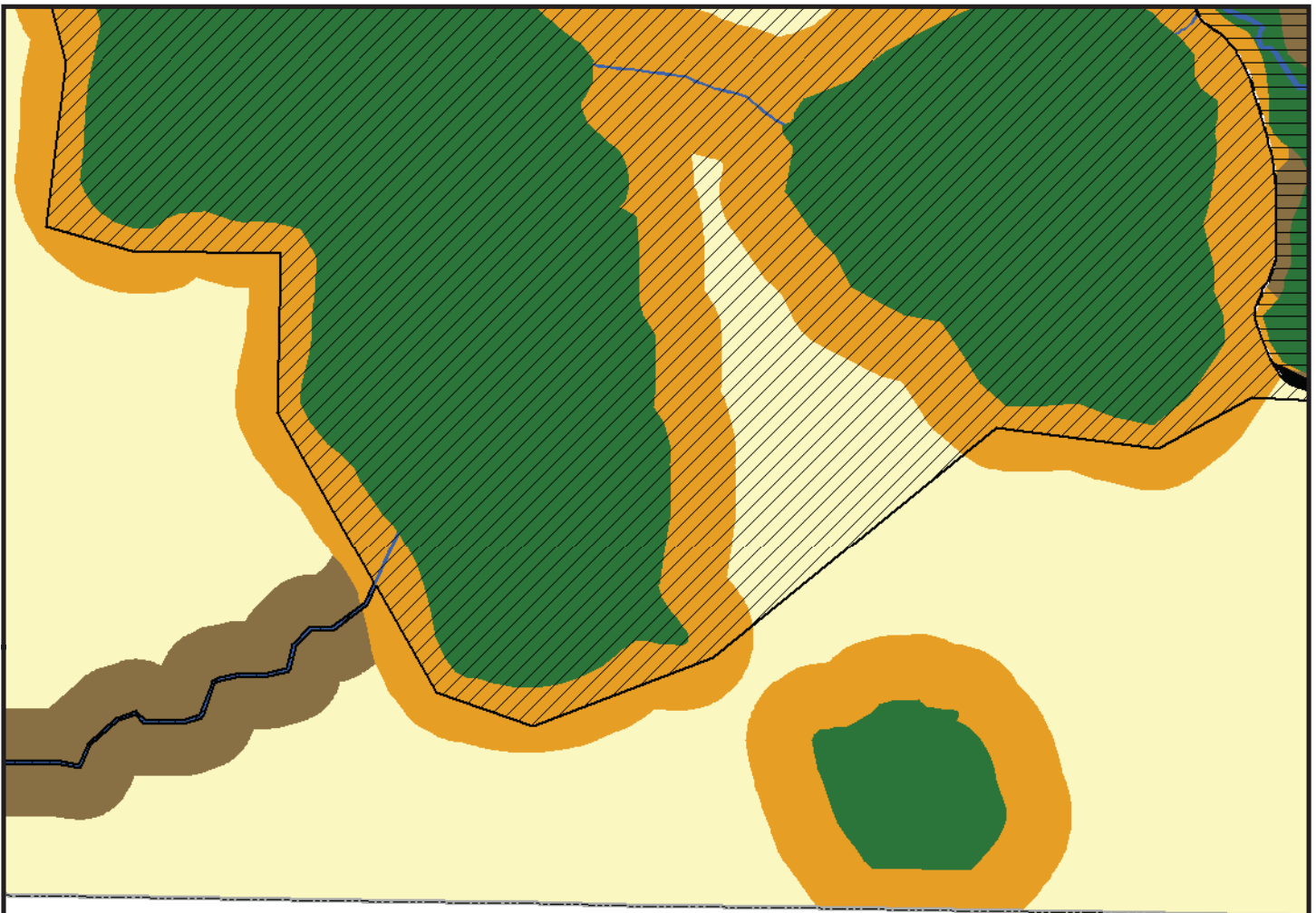
-  South Pasture Mine
-  South Pasture Extension
-  No Mine Boundary
-  Planned Habitat Areas
-  Immediate Protection Level 1 - South Pasture Extension - 1094.7 ac. +/-
-  Post-Reclamation Protection Level 1 (includes Temporary Disturbance) - 2205.0 ac. +/-
-  Other Habitat Restoration
- Post Reclamation Land Use**
-  200
-  300
-  400
-  500
-  600
-  700
-  800



**SOUTH PASTURE
EXTENSION**
Mosaic Fertilizer, LLC
**FIGURE 2
PROPOSED
PROTECTION
LEVELS
TO UPDATE
THE CMP**

Sheet 47 of 56



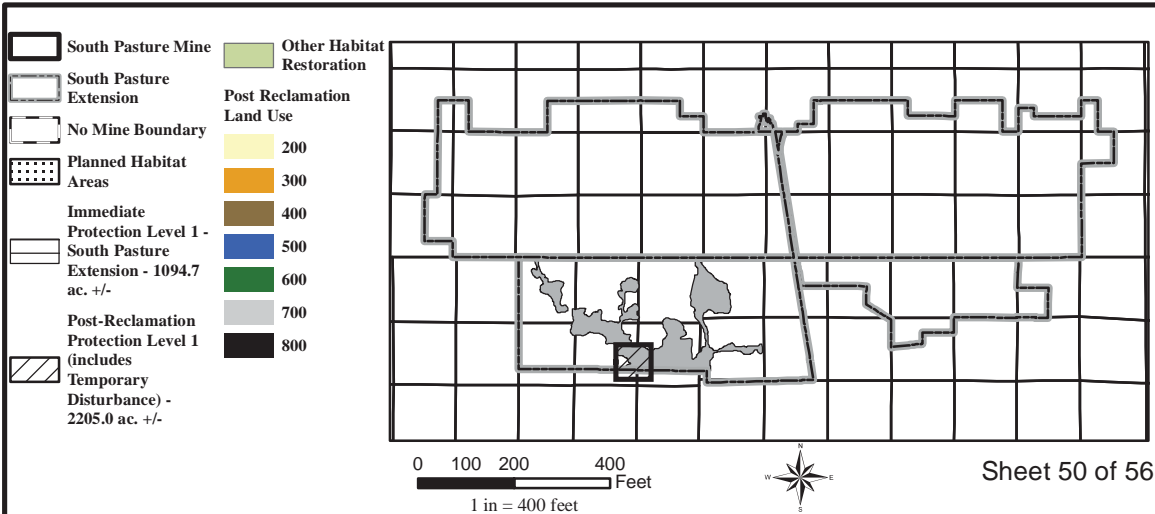


- | | |
|---|----------------------------------|
| South Pasture Mine | Other Habitat Restoration |
| South Pasture Extension | Post Reclamation Land Use |
| No Mine Boundary | 200 |
| Planned Habitat Areas | 300 |
| Immediate Protection Level 1 - South Pasture Extension - 1094.7 ac. +/- | 400 |
| Post-Reclamation Protection Level 1 (includes Temporary Disturbance) - 2205.0 ac. +/- | 500 |
| | 600 |
| | 700 |
| | 800 |

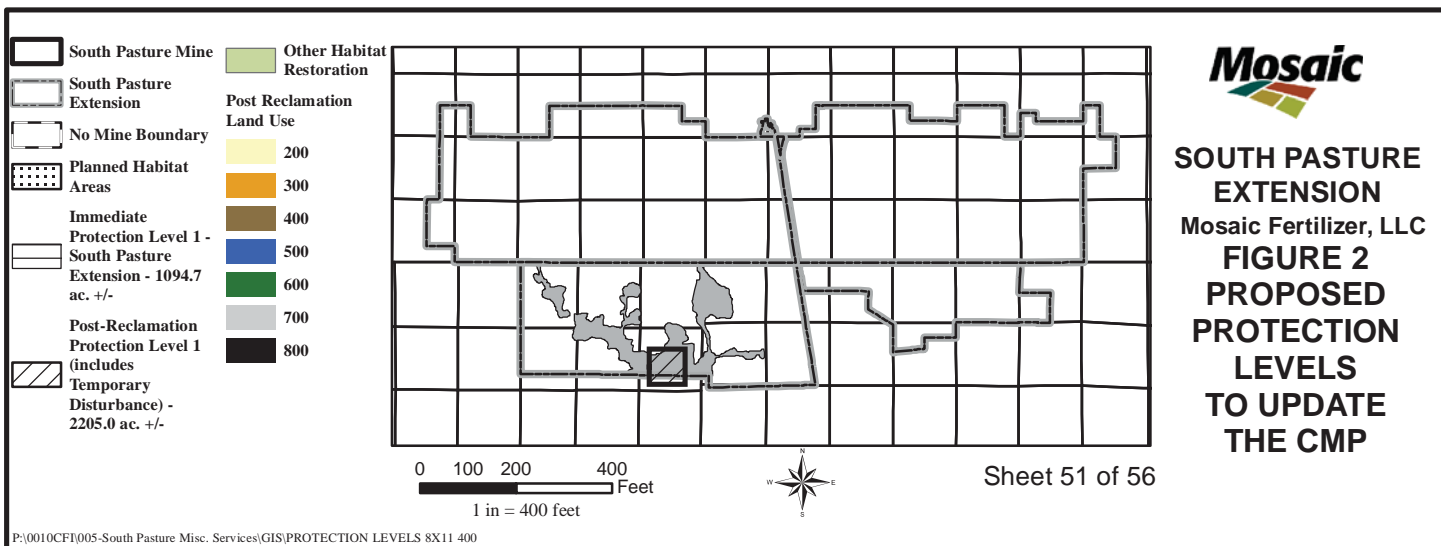


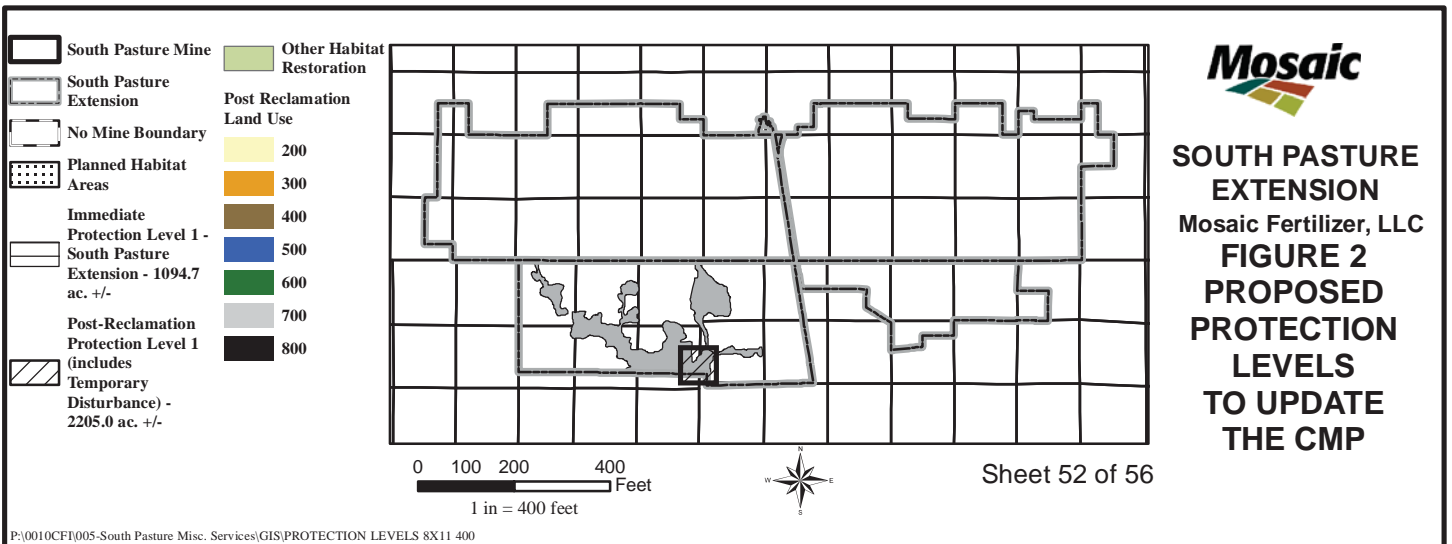
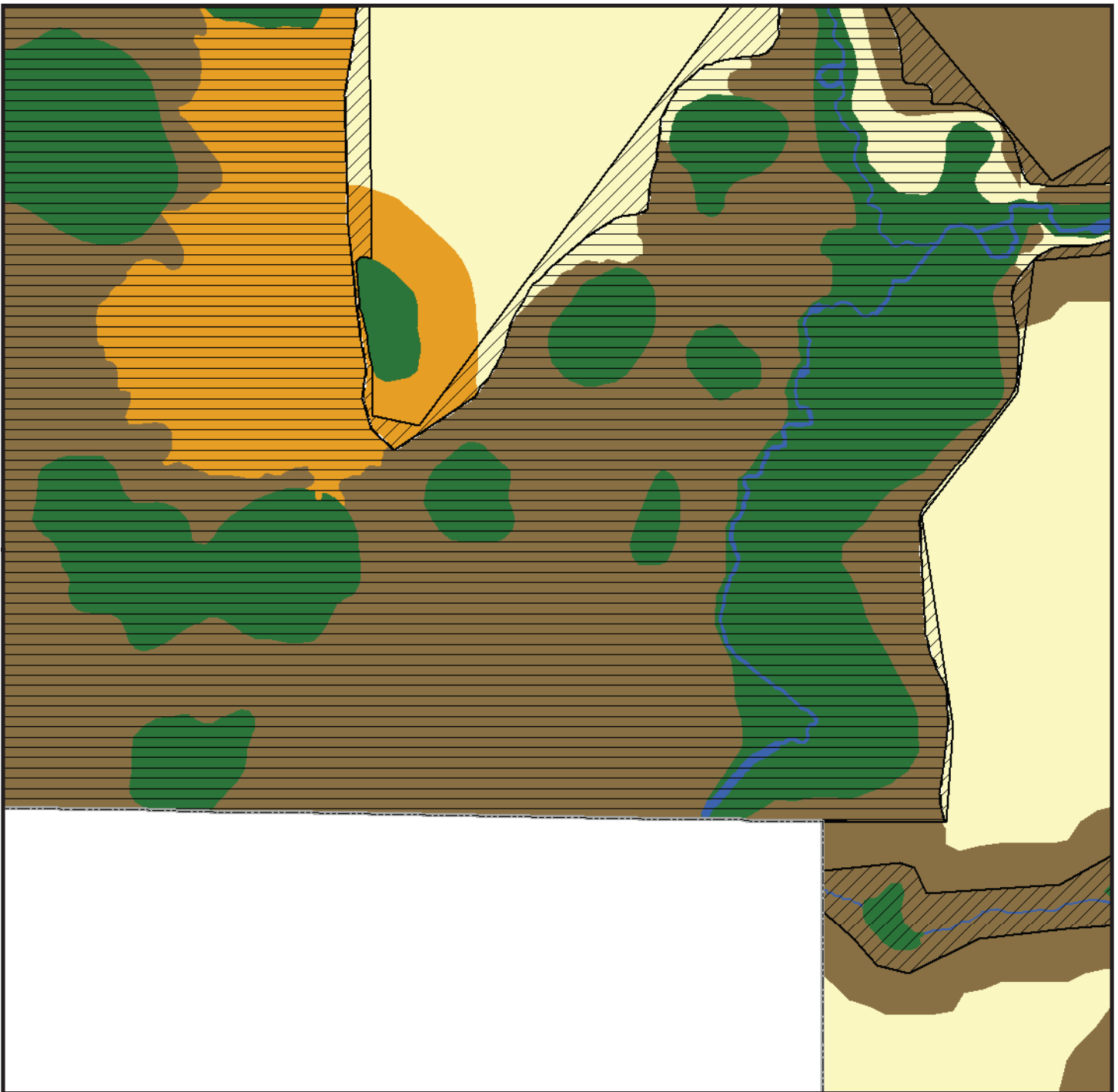
**SOUTH PASTURE
EXTENSION**
Mosaic Fertilizer, LLC
**FIGURE 2
PROPOSED
PROTECTION
LEVELS
TO UPDATE
THE CMP**

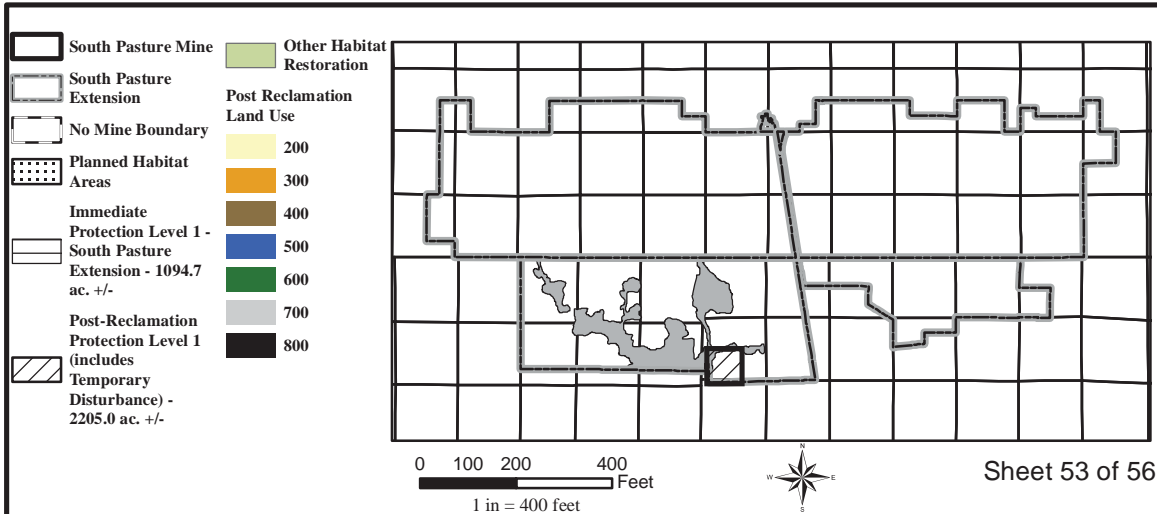
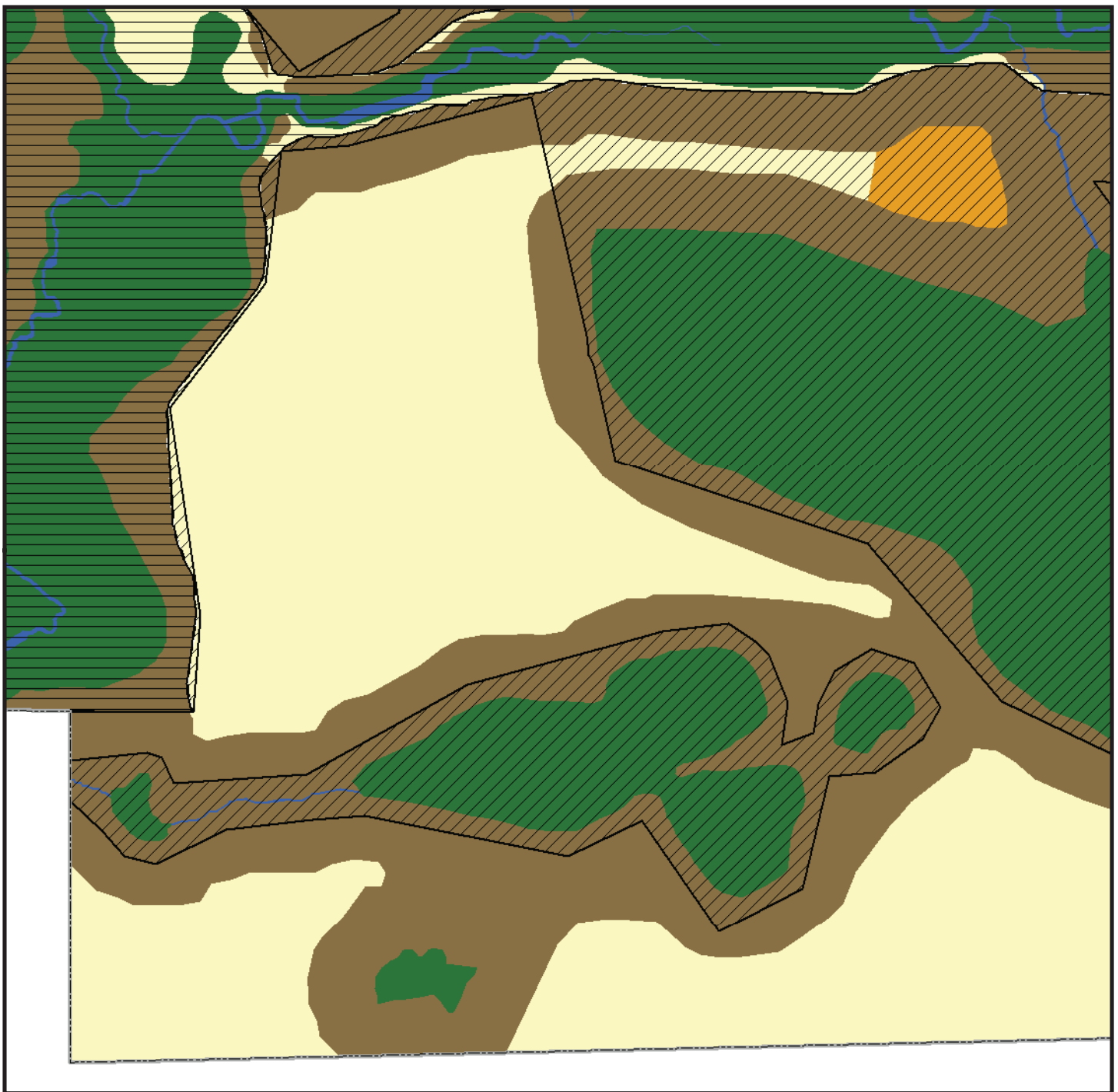
Sheet 49 of 56



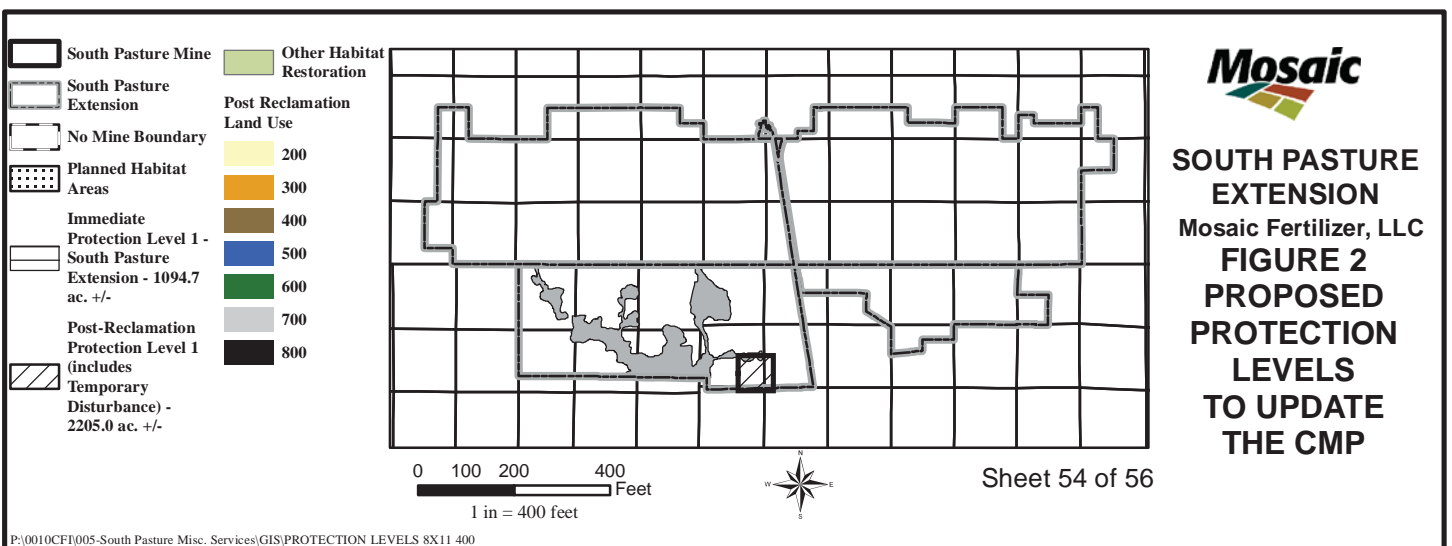
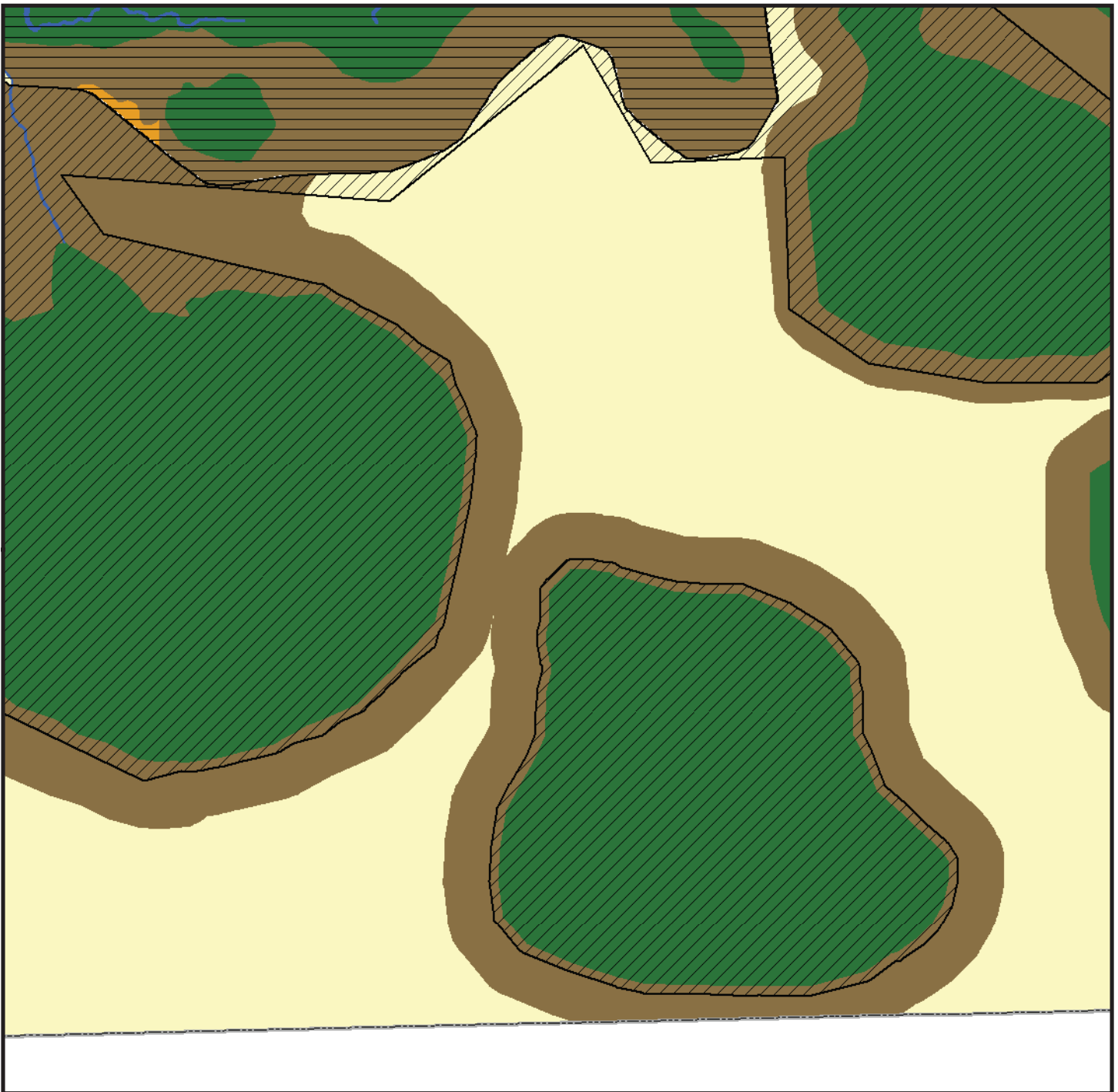
**SOUTH PASTURE
EXTENSION**
Mosaic Fertilizer, LLC
**FIGURE 2
PROPOSED
PROTECTION
LEVELS
TO UPDATE
THE CMP**

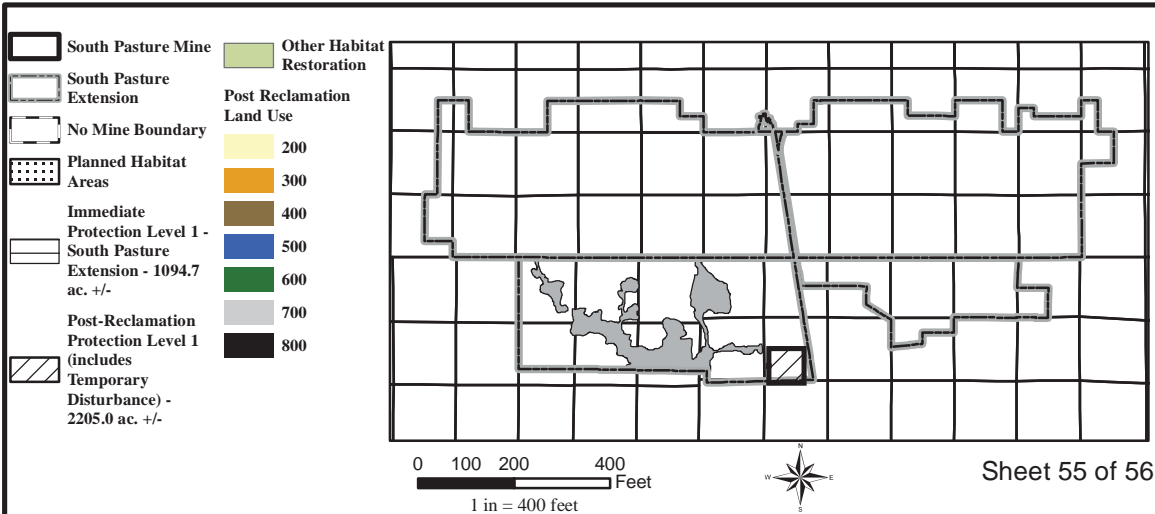
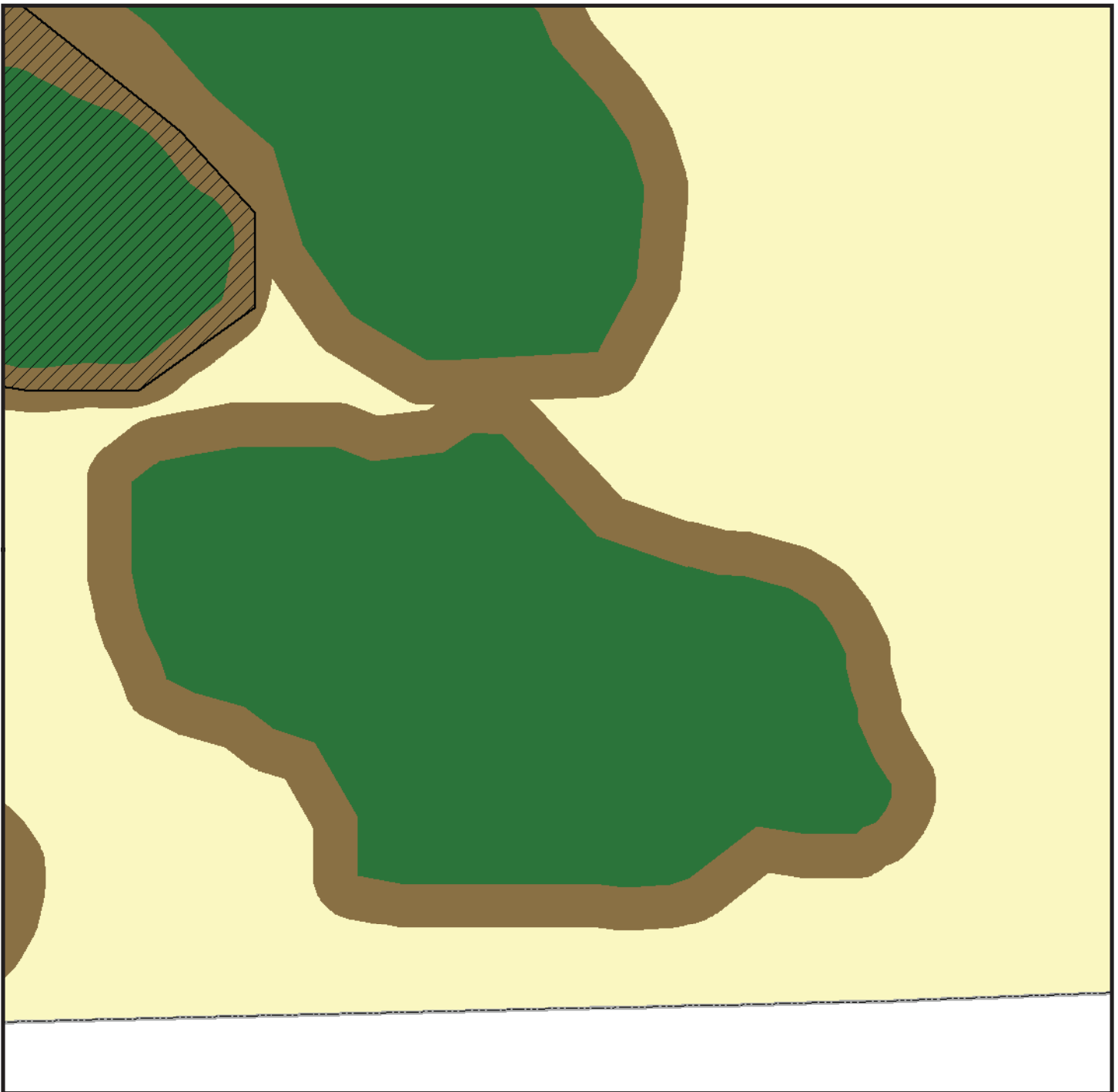




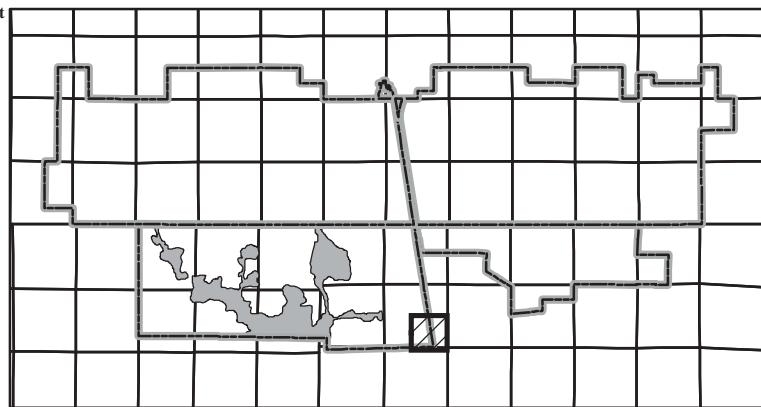
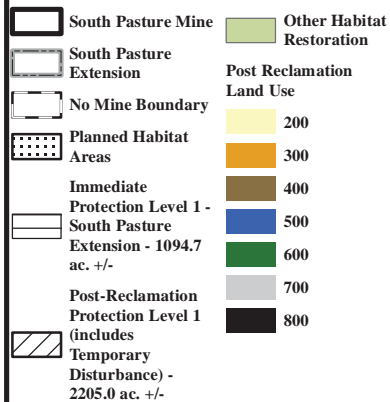
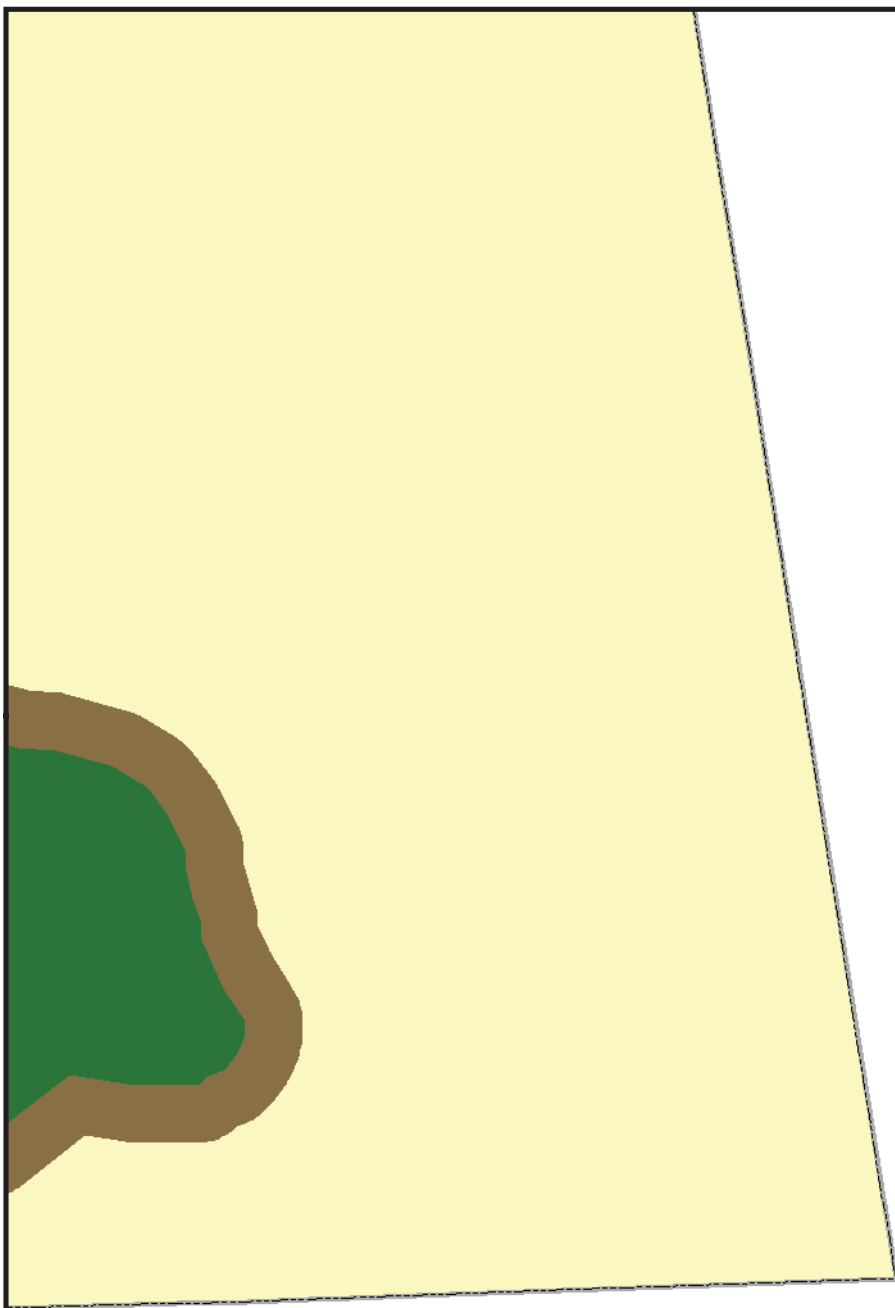


**SOUTH PASTURE
EXTENSION**
Mosaic Fertilizer, LLC
**FIGURE 2
PROPOSED
PROTECTION
LEVELS
TO UPDATE
THE CMP**





**SOUTH PASTURE
EXTENSION**
Mosaic Fertilizer, LLC
**FIGURE 2
PROPOSED
PROTECTION
LEVELS
TO UPDATE
THE CMP**



0 100 200 400
Feet
1 in = 400 feet



Sheet 56 of 56



**SOUTH PASTURE
EXTENSION**
Mosaic Fertilizer, LLC
**FIGURE 2
PROPOSED
PROTECTION
LEVELS
TO UPDATE
THE CMP**

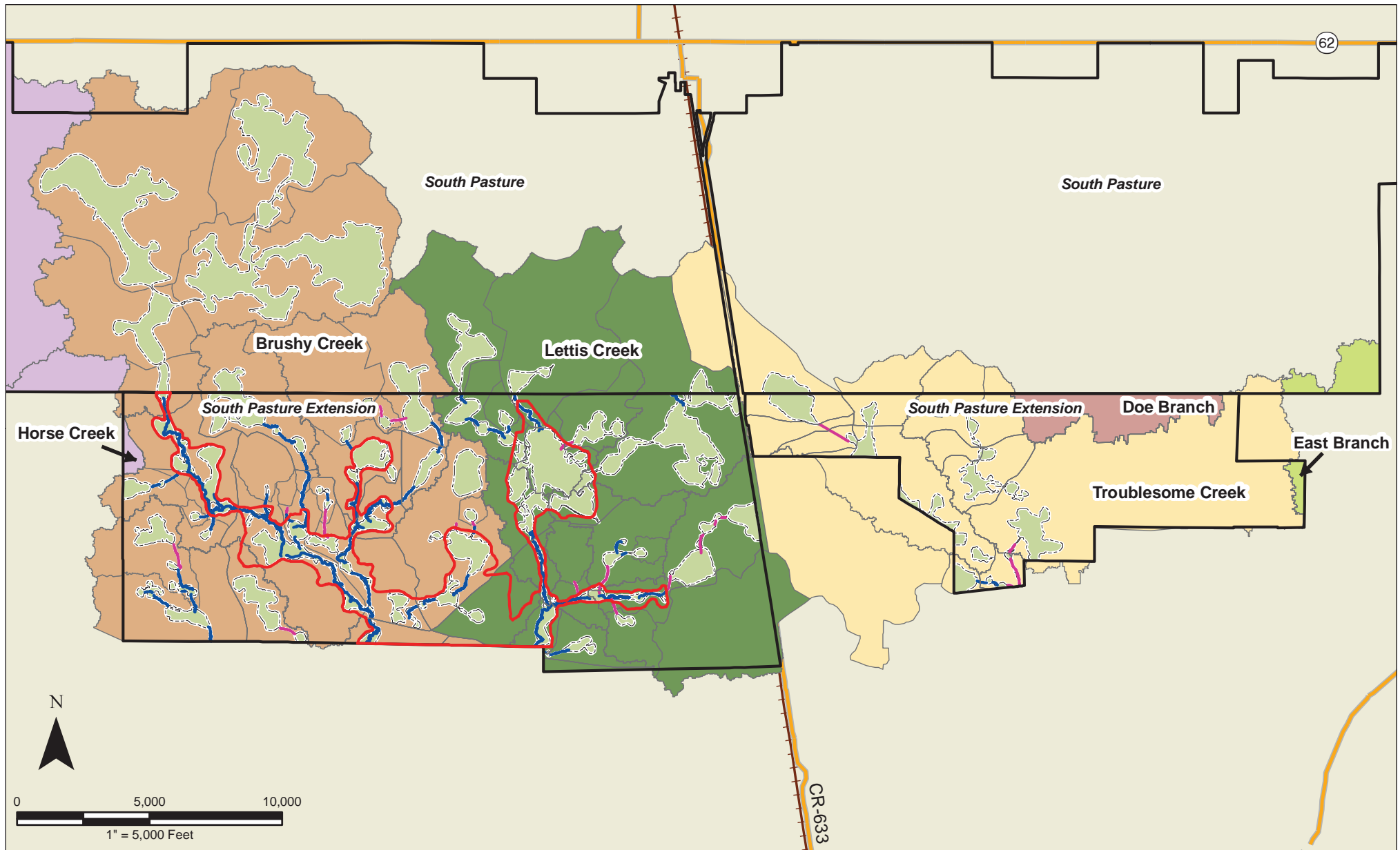


FIGURE SRO-1
PRE-MINING SUB-BASINS & STREAMS
SOUTH PASTURE EXTENSION
HARDEE COUNTY, FLORIDA

Explanation of Features

- | | |
|--|--|
| No-Mine Boundary | Pre-Mining Basins |
| CF Property | Brushy Creek |
| Lotic Systems | Doe Branch |
| Streams | East Branch |
| — 511 - Natural Stream | Horse Creek |
| — 512 - Ditched Stream | Lettis Creek |
| | Troublesome Creek |

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 FLA. REG. NO. 51991

DATE:

Date: August 2011

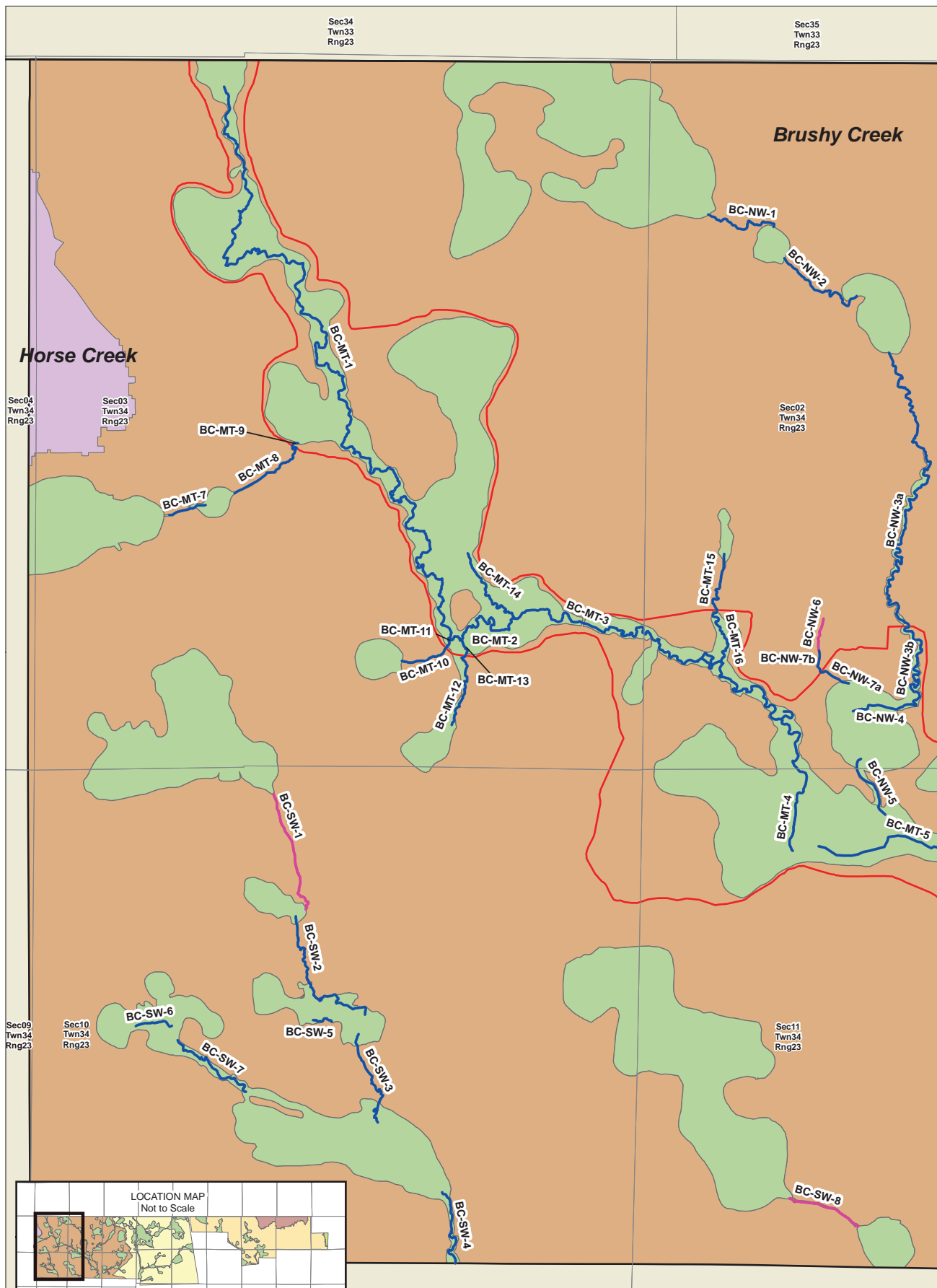
Checked By: JHK



Map Prepared By: ARK



Project No.: 03-16268

Notes:



Project No.: 03-16268

Notes:

1- This map is intended to be used for planning purposes only. It is not a survey.

FIGURE SRO-2A

PRE-MINING STREAM SEGMENTS

SOUTH PASTURE EXTENSION

HARDEE COUNTY, FLORIDA

Explanation of Features

 CF Property	 Pre-Mining Basins	 Horse Creek
 No-Mine Boundary	 Brushy Creek	 Lettis Creek
 Lotic Systems	 Doe Branch	 Troublesome Creek
— 511 - Natural Stream	 East Branch	
— 512 - Ditched Stream		

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FLA. REG. NO. 51991

DATE:


Date: Revised Aug. 2011

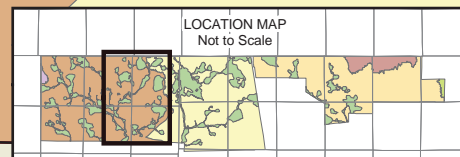
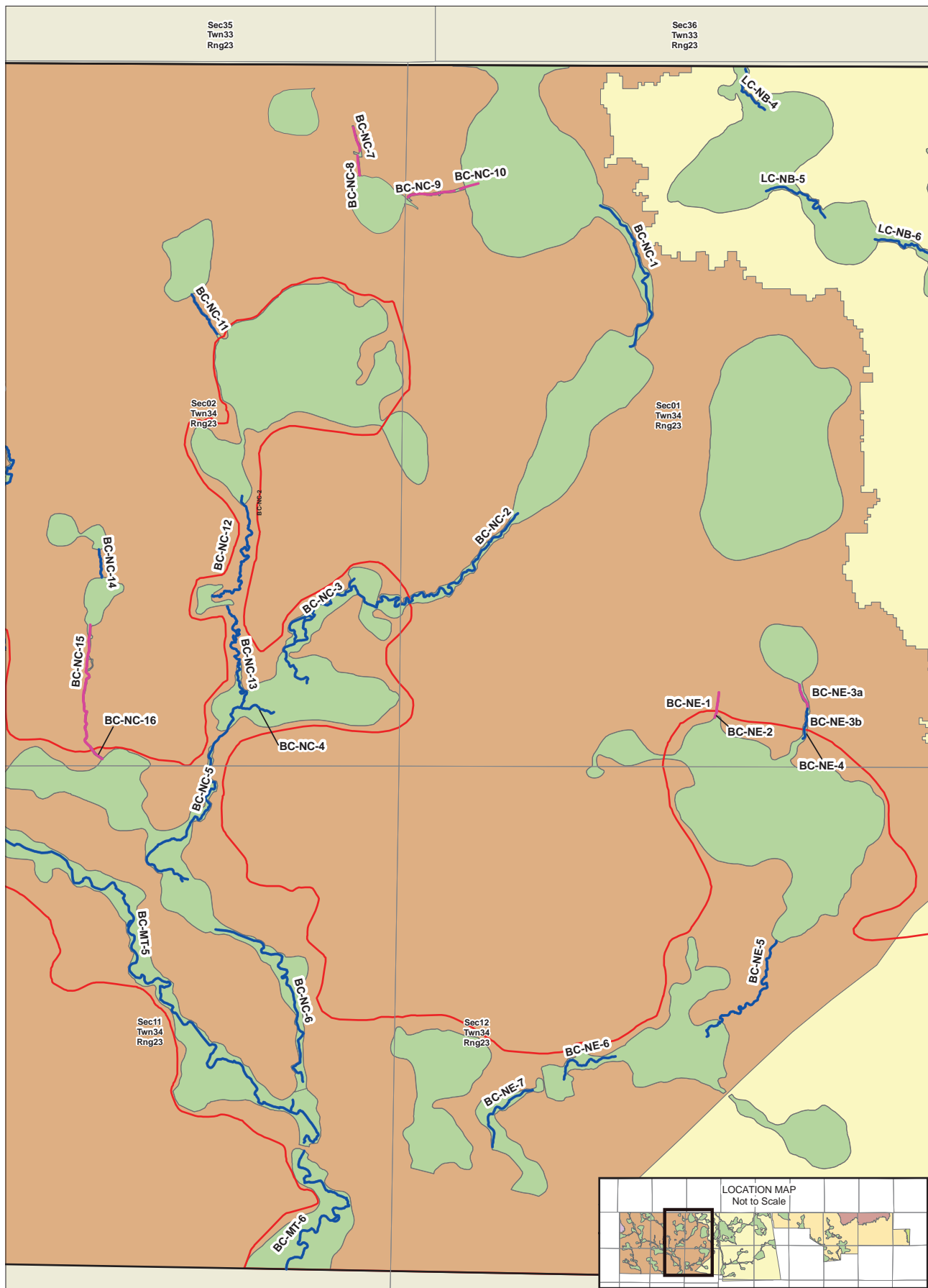
Checked By: JHK

Map Prepared By: ARK

0 700

1" = 700 Feet





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Notes:
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**FIGURE SRO-2B
PRE-MINING STREAM SEGMENTS
SOUTH PASTURE EXTENSION
HARDEE COUNTY, FLORIDA**

Explanation of Features

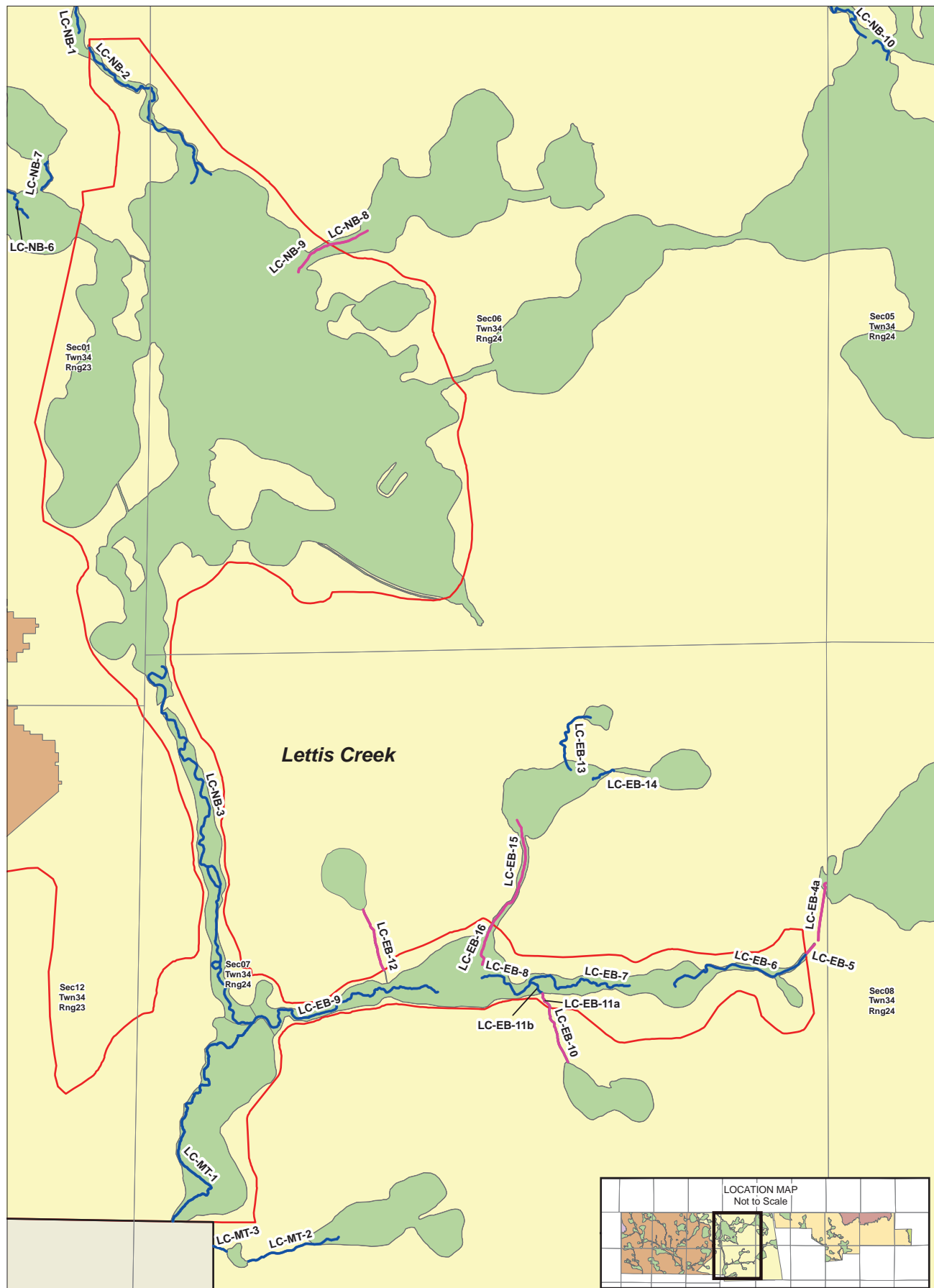
- | | | |
|----------------------|-------------------|-------------------|
| CF Property | Pre-Mining Basins | Horse Creek |
| No-Mine Boundary | Brushy Creek | Lettis Creek |
| Lotic Systems | Doe Branch | Troublesome Creek |
| Streams | East Branch | |
| 511 - Natural Stream | | |
| 512 - Ditched Stream | | |

0 700
1" = 700 Feet



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FLA. REG. NO. 61991

DATE:
Date: Revised Aug. 2011
Checked By: JHK
Map Prepared By: ARK



Project No.: 03-16268

Notes:

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**FIGURE SRO-2C
PRE-MINING STREAM SEGMENTS
SOUTH PASTURE EXTENSION
HARDEE COUNTY, FLORIDA**

Explanation of Features

- | | | |
|----------------------|-------------------|-------------------|
| CF Property | Pre-Mining Basins | Horse Creek |
| No-Mine Boundary | Brushy Creek | Lettis Creek |
| Lotic Systems | Doe Branch | Troublesome Creek |
| Streams | East Branch | |
| 511 - Natural Stream | | |
| 512 - Ditched Stream | | |

0 700
1" = 700 Feet

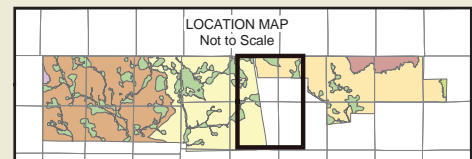
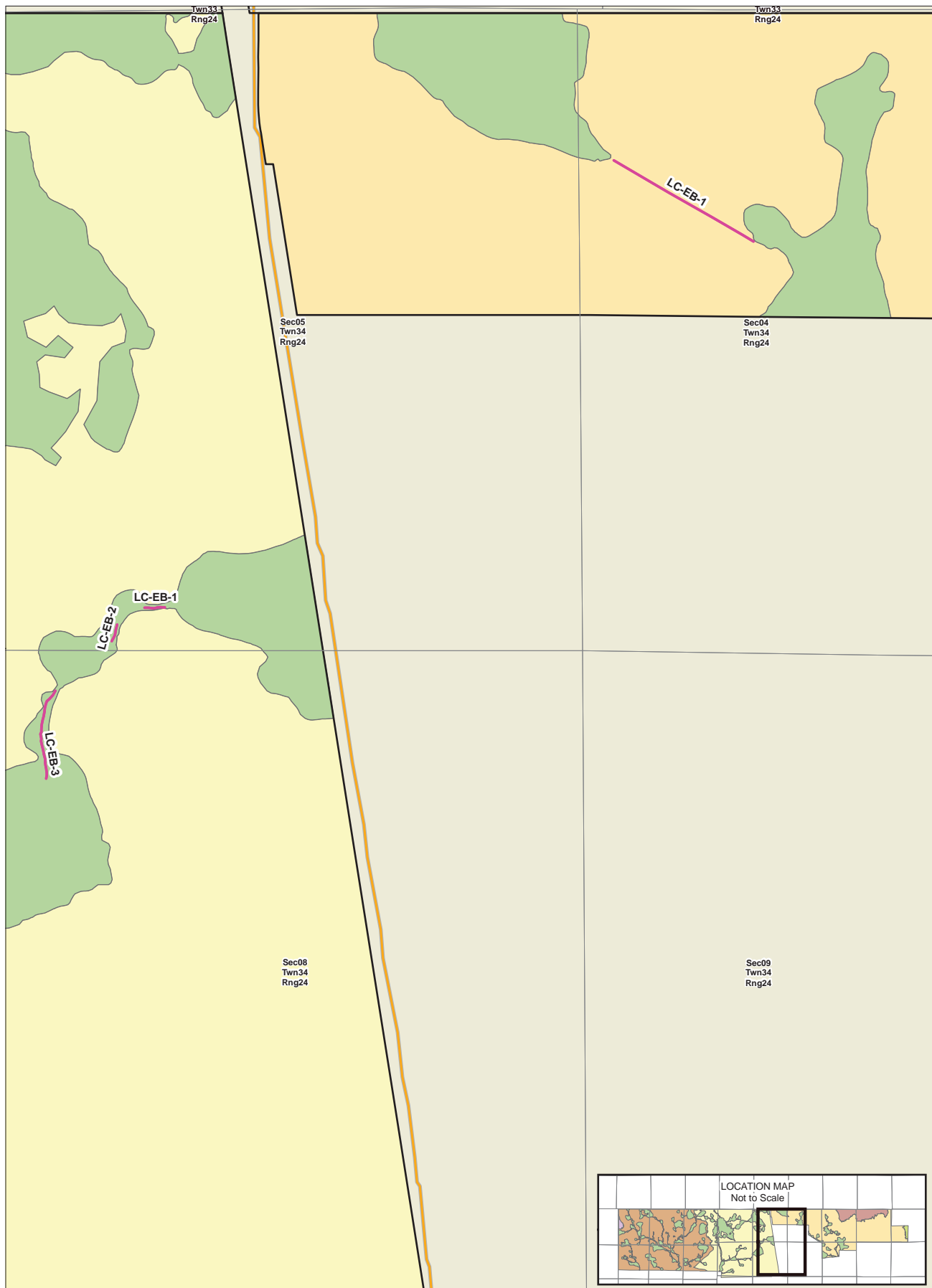
JOHN KIEFER P.E.
FLA. REG. NO. 51991

DATE:

Date: Revised Aug. 2011

Checked By: JHK

Map Prepared By: ARK



Notes:
1- This map is intended to be used for planning purposes only. It is not a survey.

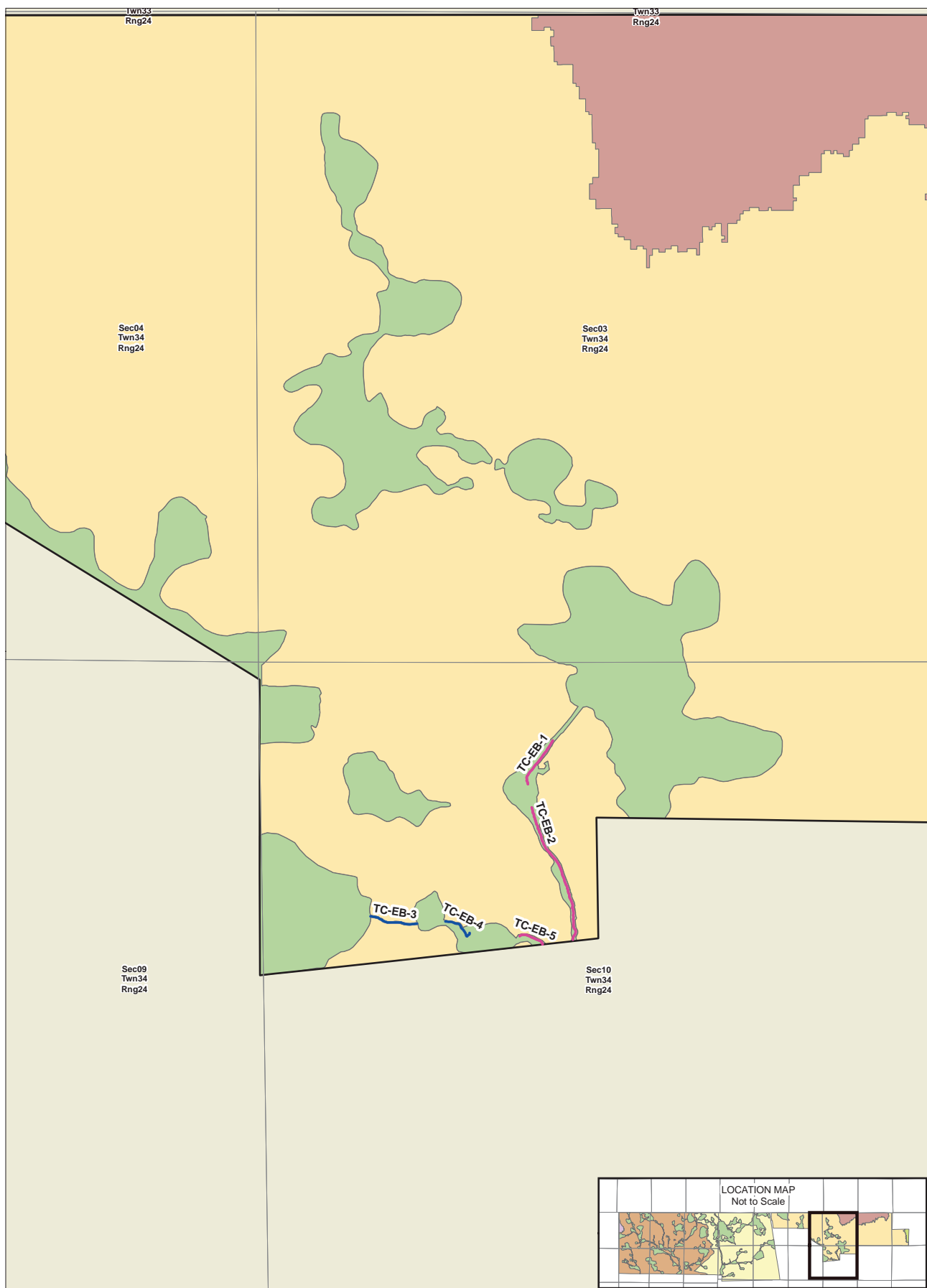
**FIGURE SRO-2D
PRE-MINING STREAM SEGMENTS
SOUTH PASTURE EXTENSION
HARDEE COUNTY, FLORIDA**

Explanation of Features <div style="display: flex; justify-content: space-between;"> <div> <p> CF Property</p> <p> No-Mine Boundary</p> <p> Lotic Systems</p> <p>— 511 - Natural Stream</p> <p>— 512 - Ditched Stream</p> </div> <div> <p>Pre-Mining Basins</p> <p> Brushy Creek</p> <p> Doe Branch</p> <p> East Branch</p> </div> <div> <p> Horse Creek</p> <p> Lettis Creek</p> <p> Troublesome Creek</p> </div> </div>		<p>JOHN KIEFER P.E. FLA. REG. NO. 61991</p> <p>DATE:</p> <p>Date: Revised Aug. 2011</p> <p>Checked By: JHK</p> <p>Map Prepared By: ARK</p>
---	--	--

0 700

1" = 700 Feet

N



Project No.: 03-16268

Notes:
1- This map is intended to be used for planning purposes only. It is not a survey.

FIGURE SRO-2E PRE-MINING STREAM SEGMENTS SOUTH PASTURE EXTENSION HARDEE COUNTY, FLORIDA

Explanation of Features

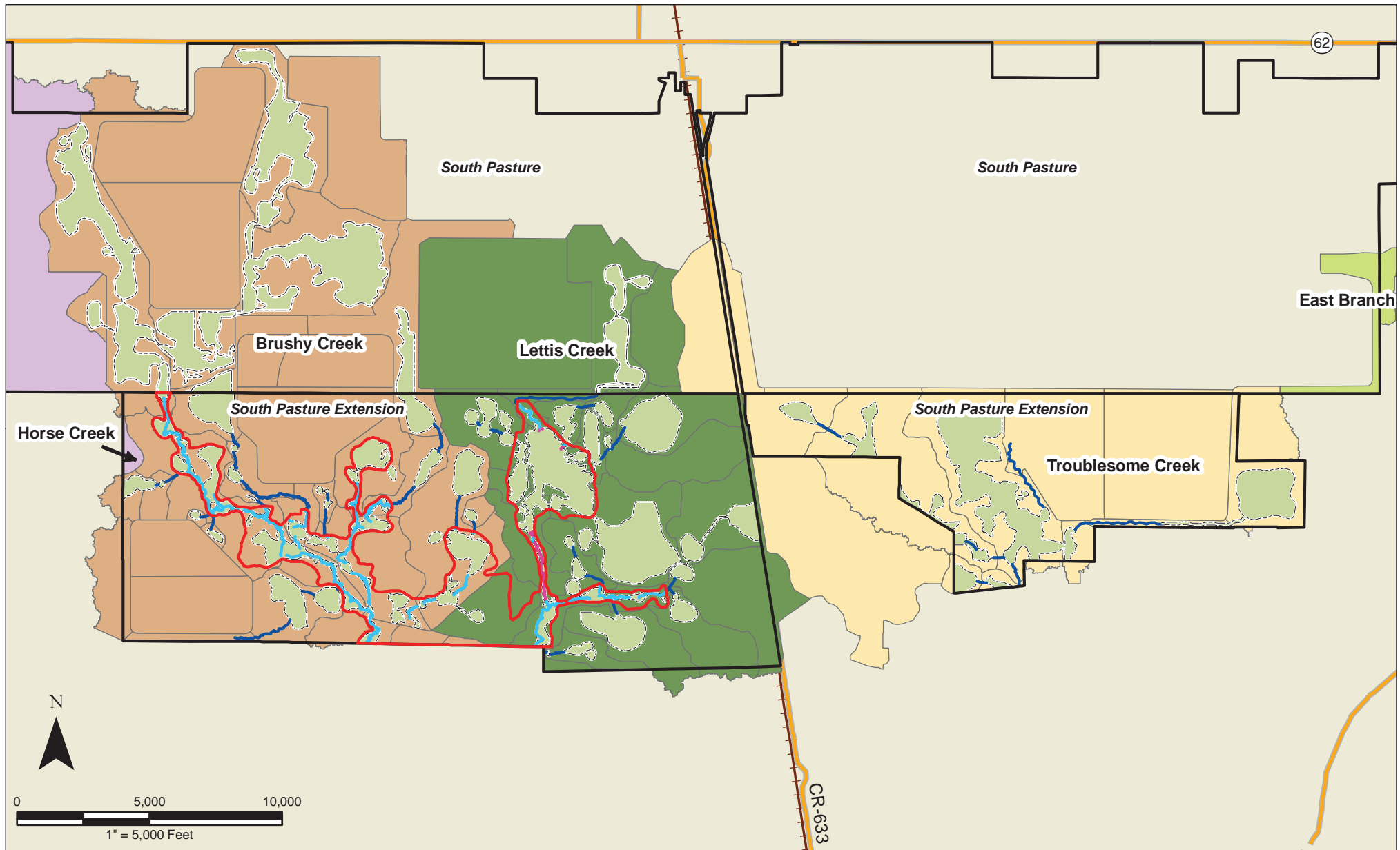
- | | | |
|----------------------|-------------------|-------------------|
| CF Property | Pre-Mining Basins | Horse Creek |
| No-Mine Boundary | Brushy Creek | Lettis Creek |
| Lotic Systems | Doe Branch | Troublesome Creek |
| Streams | East Branch | |
| 511 - Natural Stream | | |
| 512 - Ditched Stream | | |

0 700
1" = 700 Feet



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FLA. REG. NO. 51991

DATE:
Date: Revised Aug. 2011
Checked By: JHK
Map Prepared By: ARK



Project No.: 03-16268

Notes:

**FIGURE SRO-3
POST-RECLAMATION
SUB-BASINS & STREAMS
SOUTH PASTURE EXTENSION
HARDEE COUNTY, FLORIDA**

Explanation of Features

- | | |
|---|---|
| No-Mine Boundary | Brushy Creek |
| CF Property | East Branch |
| Lotic Systems | Horse Creek |
| Post-Reclamation Streams | Lettis Creek |
| Enhanced Streams | Troublesome Creek |
| Non-Mined Streams | |
| Reclaimed Streams | |

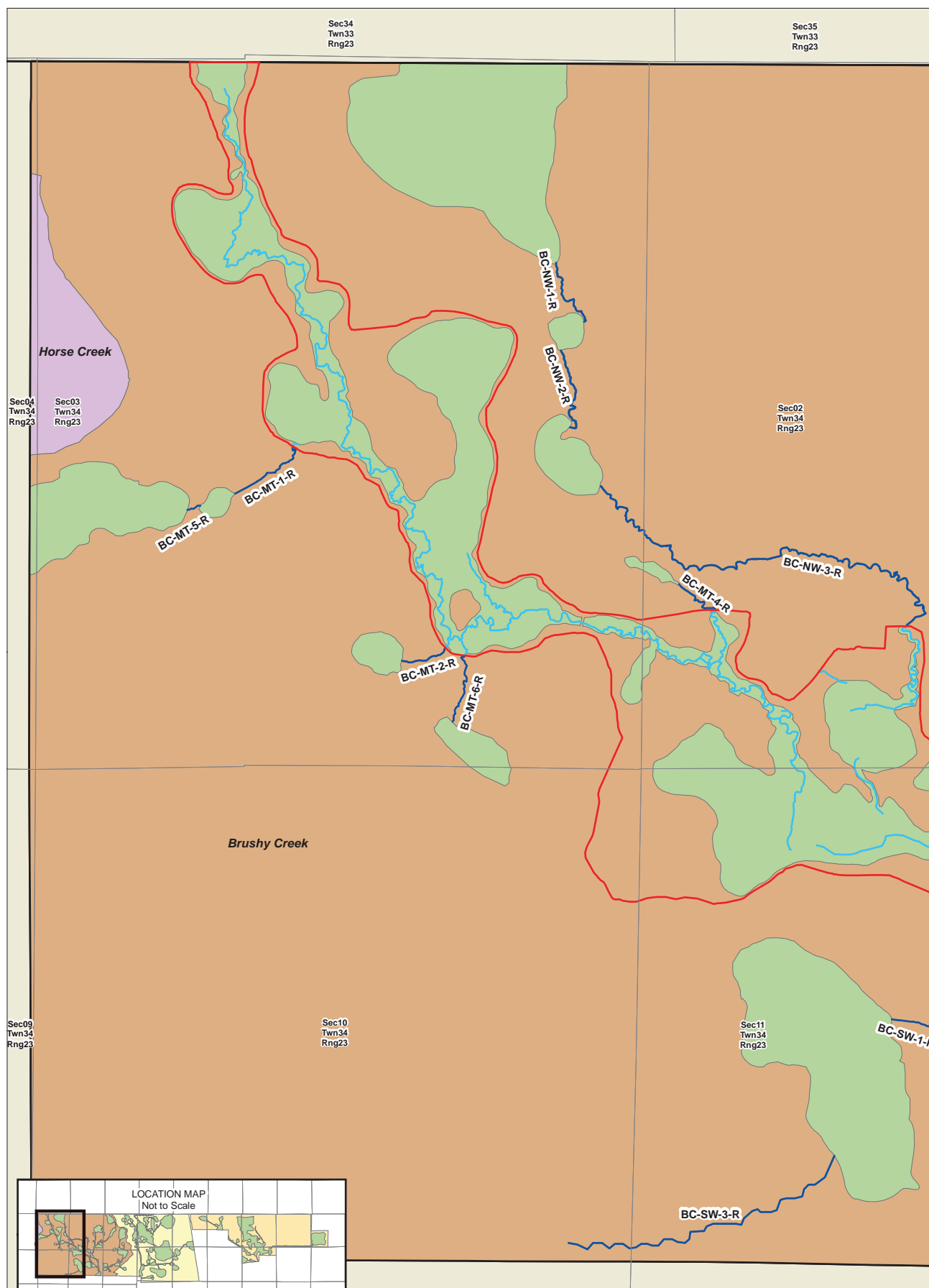
JOHN KIEFER P.E.
FLA. REG. NO. 51991

DATE:

Date: Revised Aug. 2011

Checked By: JHK

Map Prepared By: KMB



Project No.: 03-16268

Notes:

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**FIGURE SRO-4A
POST-RECLAMATION
STREAM SEGMENTS
SOUTH PASTURE EXTENSION
HARDEE COUNTY, FLORIDA**

Explanation of Features

- CF Property
- No-Mine Boundary
- Lotic Systems
- Enhanced Streams
- Non-Mined Streams
- Reclaimed Streams

- Post-Reclamation Basins
- Brushy Creek
- Doe Branch
- East Branch

- Horse Creek
- Lettis Creek
- Troublesome Creek

0 700
1" = 700 Feet

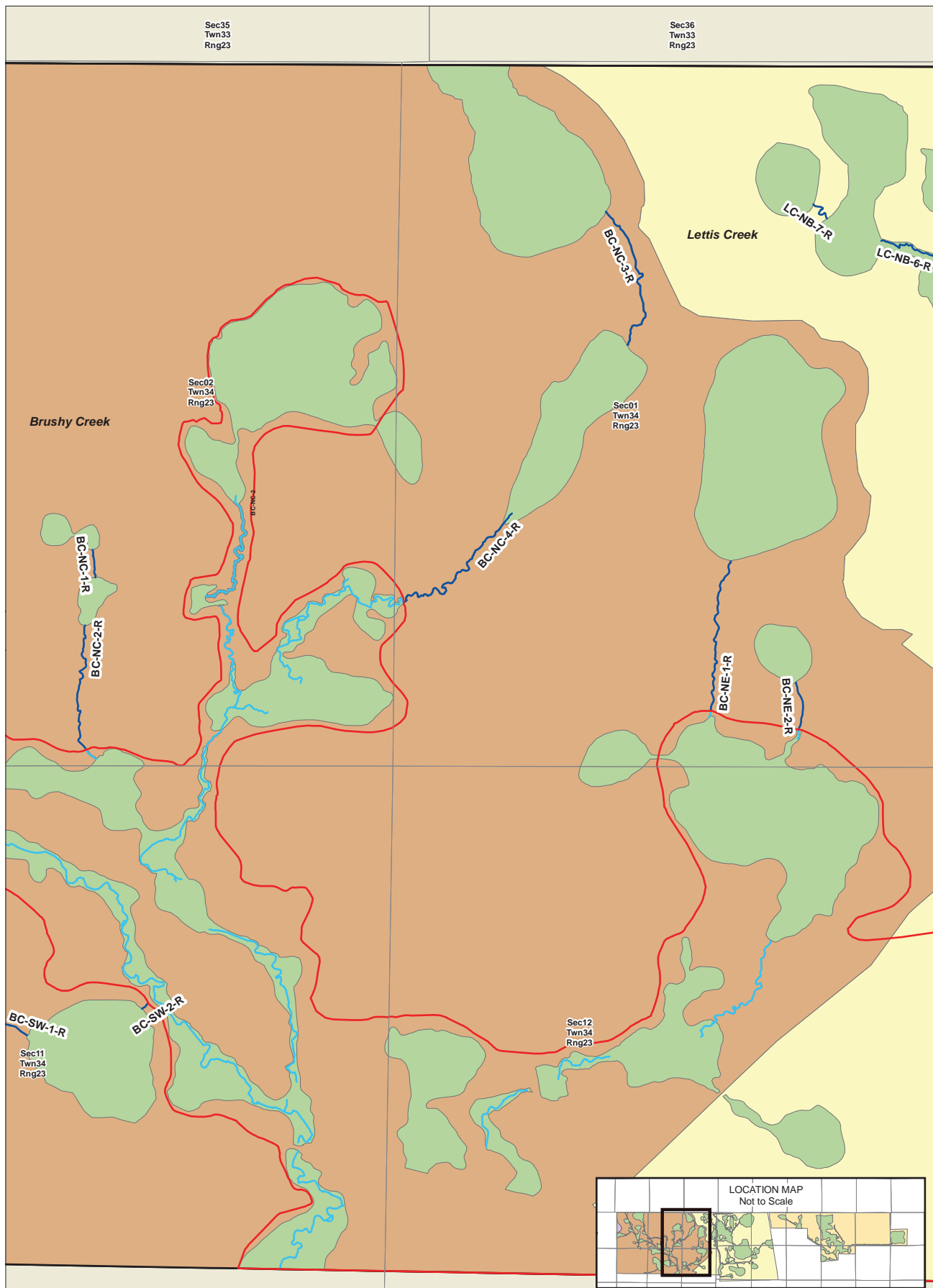
JOHN KIEFER P.E.
FLA. REG. NO. 61991

DATE:

Date: Revised Aug. 2011

Checked By: JHK

Map Prepared By: ARK



Project No.: 03-16268

Notes:
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**FIGURE SRO-4B
POST-RECLAMATION
STREAM SEGMENTS
SOUTH PASTURE EXTENSION
HARDEE COUNTY, FLORIDA**

Explanation of Features

- | | | |
|--|--|--|
| <ul style="list-style-type: none"> CF Property No-Mine Boundary Lotic Systems — Enhanced Streams — Non-Mined Streams — Reclaimed Streams | <ul style="list-style-type: none"> Post-Reclamation Basins Brushy Creek Doe Branch East Branch | <ul style="list-style-type: none"> Horse Creek Lettis Creek Troublesome Creek |
|--|--|--|

0 700
1" = 700 Feet



JOHN KIEFER P.E.
FLA. REG. NO. 61991
DATE:
Date: Revised Aug. 2011
Checked By: JHK
Map Prepared By: ARK



Notes:
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**FIGURE SRO-4C
POST-RECLAMATION
STREAM SEGMENTS
SOUTH PASTURE EXTENSION
HARDEE COUNTY, FLORIDA**

Legend

CF Property

- No-Mine Boundary
- Lotic Systems

Post-Reclamation Basins

- Brushy Creek
- Doe Branch
- East Branch

Post-Reclamation Streams

- Enhanced Streams
- Non-Mined Streams
- Reclaimed Streams

Other Features

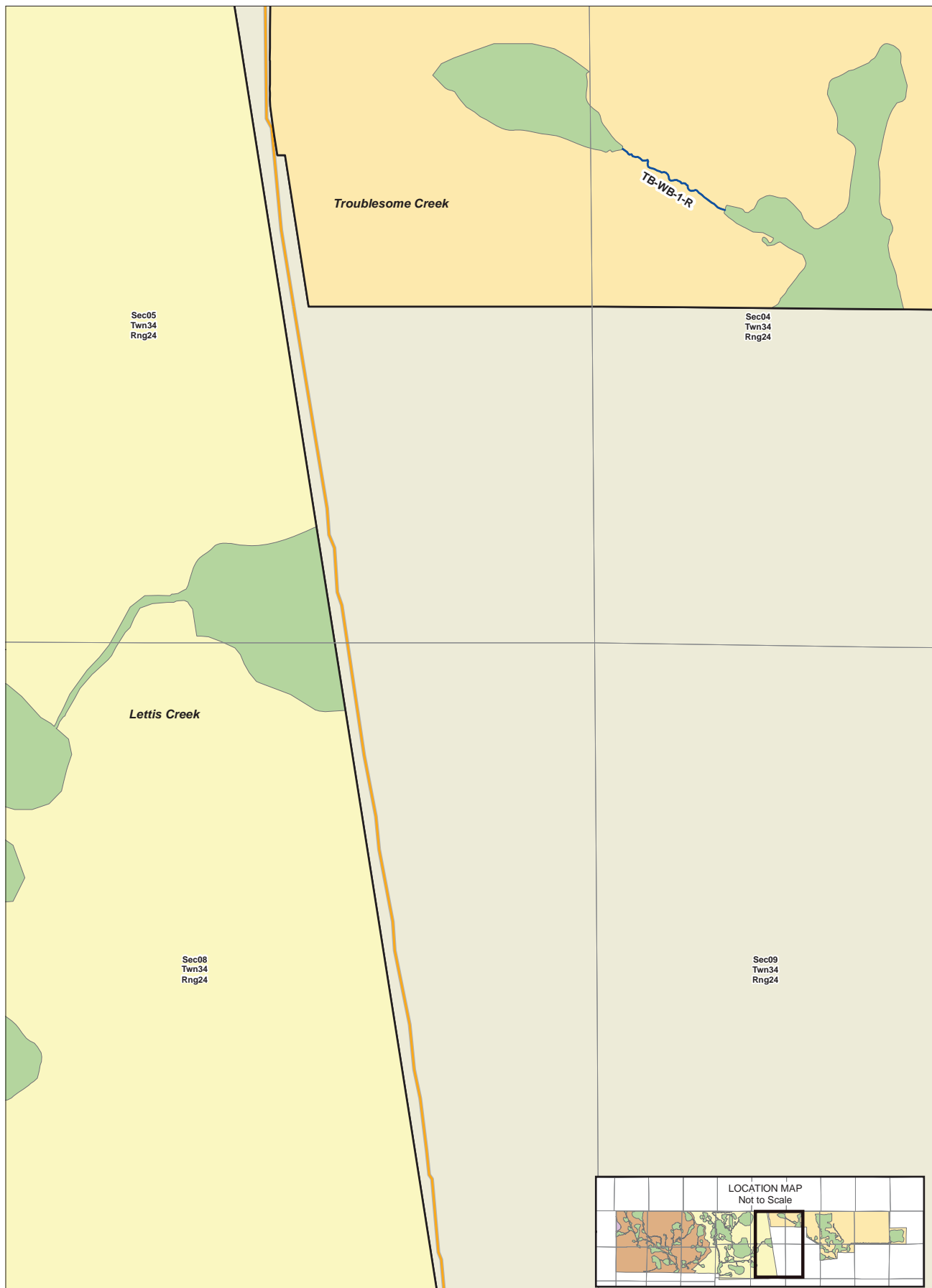
- Horse Creek
- Lettis Creek
- Troublesome Creek

0 700

N

JOHN KIEFER P.E.
FLA. REG. NO. 51991

DATE:
Date: Revised Aug. 2011
Checked By: JHK
Map Prepared By: ARK



Project No.: 03-16268

Notes:

1- This map is intended to be used for planning purposes only. It is not a survey.

**FIGURE SRO-4D
POST-RECLAMATION
STREAM SEGMENTS
SOUTH PASTURE EXTENSION
HARDEE COUNTY, FLORIDA**

Explanation of Features

- CF Property
- No-Mine Boundary
- Lotic Systems
- Enhanced Streams
- Non-Mined Streams
- Reclaimed Streams

- Post-Reclamation Basins**
- Brushy Creek
 - Doe Branch
 - East Branch

- Horse Creek
- Lettis Creek
- Troublesome Creek

0 700
1" = 700 Feet

JOHN KIEFER P.E.
FLA. REG. NO. 61991

DATE:

Date: Revised Aug. 2011

Checked By: JHK

Map Prepared By: ARK



Notes:
1- This map is intended to be used for planning purposes only. It is not a survey.

**FIGURE SRO-4E
POST-RECLAMATION
STREAM SEGMENTS
SOUTH PASTURE EXTENSION
HARDEE COUNTY, FLORIDA**

CF Property
 No-Mine Boundary
 Lotic Systems
Post-Reclamation Streams
 Enhanced Streams
 Non-Mined Streams
 Reclaimed Streams

Post-Reclamation Basins
 Brushy Creek
 Doe Branch
 East Branch

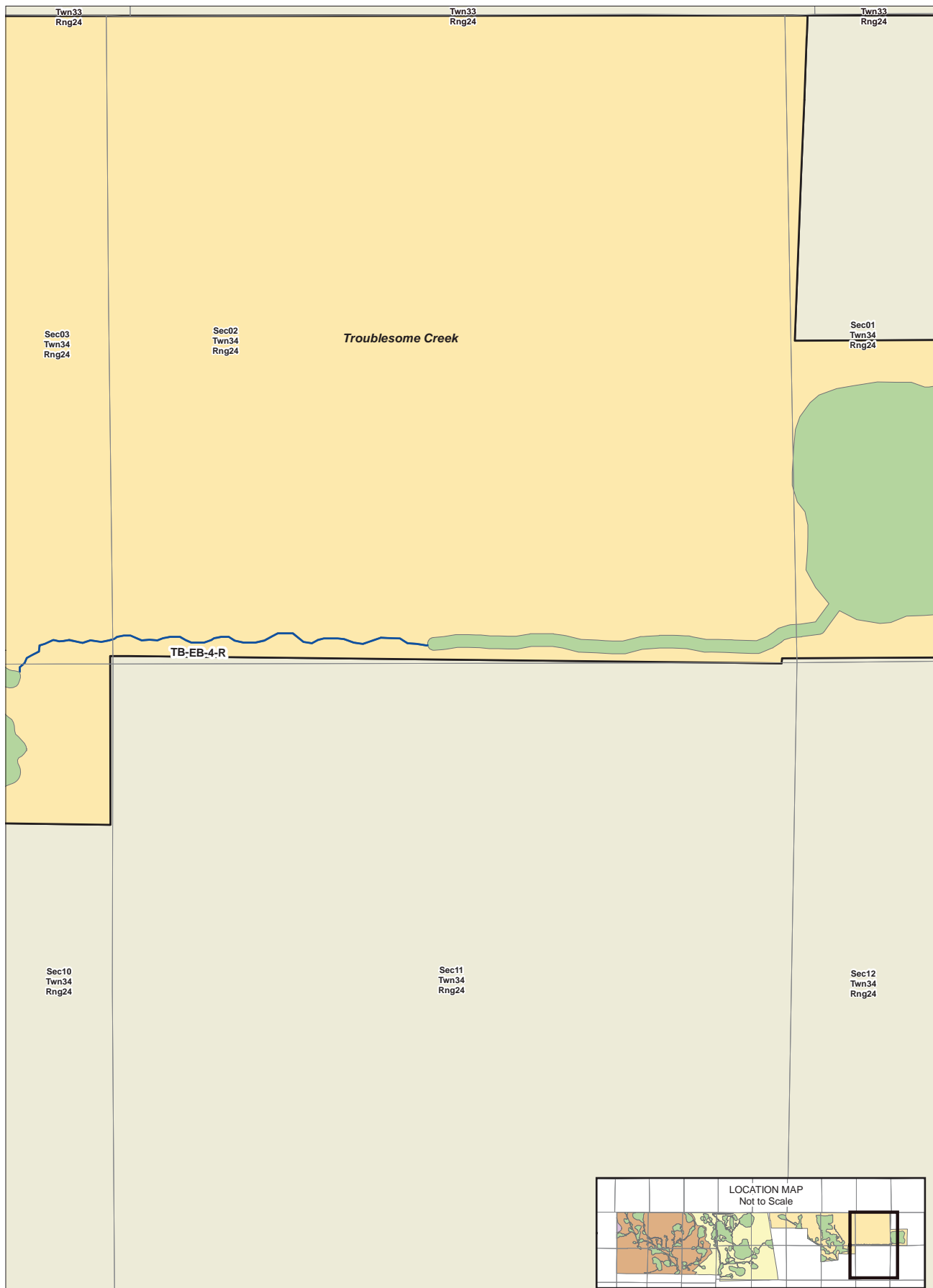
Horse Creek
 Lettis Creek
 Troublesome Creek

0 700

N

JOHN KIEFER P.E.
FLA. REG. NO. 51991

DATE:
Date: Revised Aug. 2011
Checked By: JHK
Map Prepared By: ARK



Project No.: 03-16268

Notes:

1- This map is intended to be used for planning purposes only. It is not a survey.

**FIGURE SRO-4F
POST-RECLAMATION
STREAM SEGMENTS
SOUTH PASTURE EXTENSION
HARDEE COUNTY, FLORIDA**

Explanation of Features

- | | | |
|------------------|--------------|-------------------|
| CF Property | Brushy Creek | Horse Creek |
| No-Mine Boundary | Doe Branch | Lettis Creek |
| Lotic Systems | East Branch | Troublesome Creek |
- Post-Reclamation Streams**
- Enhanced Streams
 - Non-Mined Streams
 - Reclaimed Streams

0 700
1" = 700 Feet

JOHN KIEFER P.E.
FLA. REG. NO. 61991

DATE:

Date: Revised Aug. 2011

Checked By: JHK

Map Prepared By: ARK

ENGINEERING PLANS FOR:
CF INDUSTRIES, INC. - HARDEE PHOSPHATE COMPLEX
SOUTH PASTURE EXTENSION
BRUSHY CREEK UTILITY CORRIDOR CROSSING
HARDEE COUNTY, FLORIDA

BCI PROJECT NUMBER: 03-16268



S I T E L O C A T I O N M A P
HARDEE COUNTY, FLORIDA
SECTION 3, TOWNSHIP 34 SOUTH, RANGE 23 EAST

INDEX OF DRAWINGS	
SHEET NO.	SHEET TITLE
1	COVER
2	GENERAL NOTES
3	PLAN AND PROFILE
4	SITE PLAN - SOUTH
6	TYPICAL CROSS SECTIONS
7	STORMWATER POLLUTION PREVENTION PLAN

ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

 **CALL SUNSHINE 1-800-432-4770**
48 HOURS PRIOR TO ANY CONSTRUCTION ACTIVITY
CONTRACTOR IS TO VERIFY EXISTING CONDITIONS PRIOR TO CONSTRUCTION.

ENGINEER CERTIFICATION

I hereby certify that I am a registered professional engineer in the State of Florida practicing with BCI Engineers & Scientists, Inc., a corporation authorized to operate as a business providing engineering consulting services (EB 0007867) by the state of Florida Department of Professional Regulation, Board of Professional Engineers, and that I, or others under my direct supervision, have prepared the hydraulic and hydrology evaluations, findings, options, calculations, conclusions, or technical advice hereby represented in this section.

SIGNATURE: _____
NAME: SCOTT WULTSCHICK, P.E.
P.E. NUMBER: 54648
DATE: _____

PLANS PREPARED BY:

BCI
engineers & scientists
2000 E. Edgewood Dr., Ste #215
Lakeland, FL 33803
863.667.2345 • www.bcieng.com
EB-0007867

Rev	Date	Description	Sheets

REVISIONS

GENERAL CONSTRUCTION NOTES

- [illegible]

SAFETY NOTES

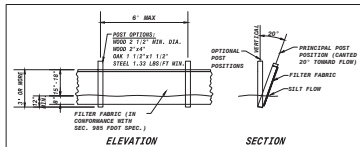
4. DURING THE CONSTRUCTION AND/OR MAINTENANCE OF THIS PROJECT, THE CONTRACTOR SHALL COMPLY WITH REGULATIONS. THE CONTRACTOR OR HIS REPRESENTATIVE SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.
5. THE MINIMUM STANDARDS AS SET FORTH IN THE CURRENT EDITION OF THE STATE OF FLORIDA, MAN ON TRAFFIC CONTROL AND SAFE PRACTICES FOR STREET AND HIGHWAY CONSTRUCTION, MAINTENANCE, AND REPAIR, AND THE FEDERAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, INSTALLATION, MAINTENANCE, AND REMOVAL, OF ALL TRAFFIC CONTROL DEVICES, WARNING DEVICES, AND BARRIERS NECESSARY TO PROTECT THE PUBLIC AND WORKERS FROM HAZARDS DURING THE PROJECT SHALL BE THE MINIMUM STANDARDS TO BE FOLLOWED.
6. ALL TRAFFIC CONTROL, WARNING, FLAGGING, AND DEVICES SHALL CONFORM TO THE PROVISIONS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES PREPARED BY THE U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL ROAD ADMINISTRATION, AND THE FEDERAL BUREAU OF INVESTIGATION.
7. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO COMPLY WITH AND ENFORCE ALL APPLICABLE SAFETY REGULATIONS. HOWEVER, ANY INFORMATION HAS BEEN PROVIDED FOR THE CONTRACTOR'S INFORMATION ONLY AND DOES NOT IMPLY THAT THE OWNER OR ENGINEER WILL BE RESPONSIBLE FOR THE CONTRACTOR'S COMPLIANCE WITH ANY APPLICABLE SAFETY REGULATIONS.

CLEARING AND EROSION CONTROL NOTES

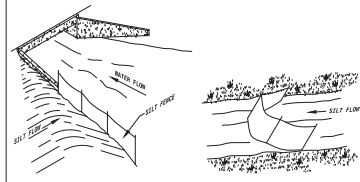
- [illegible]

PAVING AND GRADING NOTES

- ALL DELIVERABLE MATERIAL (I.E., ROCK, PEST, BRUIED DEBRIS) IS TO BE EXCAVATED IN
CONFORMANCE WITH THE FOLLOWING REQUIREMENTS: ALL DELIVERABLE MATERIAL IS TO BE
TESTED COMPANY - DELIVERABLE MATERIAL IS TO BE STOCKPILED OR REMOVED FROM THE SITE
AS REQUIRED. ALL DELIVERABLE MATERIAL IS TO BE HANDLED AND LOADED BY APPROVED
MATERIALS AND CONTRACTOR AS SHOWN ON THESE PLANS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING ADJACENT CLIMATE AND
SURROUNDING AREAS FROM DAMAGE DURING THE CONSTRUCTION OF THE PROJECT. THE
CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND
PERMITTED THROUGH LOCAL GOVERNMENTAL AGENCIES AND/OR STATE AGENCIES WITHOUT
INFRINGING ON THE RIGHTS OF ANY OTHER PARTY.
- PROPOSED SLOPE ELEVATIONS REPRESENT FINISHED PAVEMENT ON GROUND SURFACE DIRECTLY
OTHERWISE NOTED ON DRAWINGS.
- REFER TO THE LATEST EDITION OF "POT FORDWAY AND TRAFFIC DESIGN STANDARDS" FOR DETAILS
AND SPECIFICATIONS FOR THE DESIGN AND CONSTRUCTION OF THE PROJECT.
- IT MAY BE NECESSARY TO FIELD ADJUST PAVEMENT ELEVATIONS TO PRESERVE THE ROAD SYSTEM
ADJACENT TO THE PROJECT. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER'S ENGINEER PRIOR
TO ANY ELEVATION CHANGES.
- CONTRACTOR TO PROVIDE A 1' HIGH BATTERED EXCAVATION JOINT MATERIAL WITH SEALER AT
ALL EXCAVATION JOINTS.
- CONTRACTOR SHALL INSTALL 20" RADIUS EXPANSION JOINTS IN ACCORDANCE WITH PLOT INDEX 200
AND SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY MATERIALS AND LABOR FOR THE
TOP OF THE PIPE AND LID AT LEAST 20" ABOVE TWELVE (12) INCHES.
- THE CONTRACTOR IS RESPONSIBLE FOR CONSIDERING ALL APPLICABLE TESTING WITH THE SOILS
AND MATERIALS TO BE USED IN THE CONSTRUCTION OF THE PROJECT. THE CONTRACTOR SHALL
APPLY ALL APPLICABLE REGULATORY AGENCIES AND AS MAY BE FOUND IN THE ENGINEERING CONTRACT
AND SPECIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY
CONSTRUCTION, UPON COMPLETION OF THE WORK, THE SOILS ENGINEER SHALL BE SUBJECT TO THE
OWNER'S REVIEW AND APPROVAL.



NOTE: SILT FENCE TO BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR STAKED FENCE (L.F.)



TYPE III SILT FENCE

NOTE: DO NOT DEPLOY IN ANY MANNER THAT SILT FENCES WILL ACT AS A DAM ACROSS PERMANENT FLOWING WATERCOURSES. SILT FENCES ARE TO BE USED AT UPLAND

EROSION & SEDIMENT CONTROL

N.T.S.

ABBREVIATIONS

THE FOLLOWING LIST CONTAINS ABBREVIATIONS USED IN THIS SET OF
DRAWINGS. NOTE THAT NOT ALL ABBREVIATIONS SHOWN HERE MIGHT APPEAR
WITHIN THIS SET OF PLANS

[illegible][illegible]

**FOR REVIEW ONLY
NOT FOR CONSTRUCTION**

CALL SUNSHINE 1-800-432-4770
48 HOURS PRIOR TO ANY CONSTRUCTION ACTIVITY

SCOTT WUITSCHICK, P.E.
FLA. REG. NO. 54648

DATE: _____

REFER TO INDEX FOR TOTAL SHEETS INCLUDED

SHEET - 2



- ### HYDRAULIC DATA

- LEGEND**



CALL SUNSHINE 1-800-432-4770
48 HOURS PRIOR TO ANY CONSTRUCTION ACTIVITY

DATE: March 3, 2011
DRAWN BY: MAJ
CHECKED BY: IJF
PROJECT NO.: 03-16268

DATE: _____

REFER TO INDEX FOR TOTAL SHEETS INCLUDED.

SHEET - 3



INDUSTRIES, INC. - HARDEE PHOSPHATE COMPLEX
SOUTH PASTURE EXTENSION
BRUSHY CREEK UTILITY CORRIDOR CROSSING
SITE PLAN - SOUTH
HARDEE COUNTY, FLORIDA

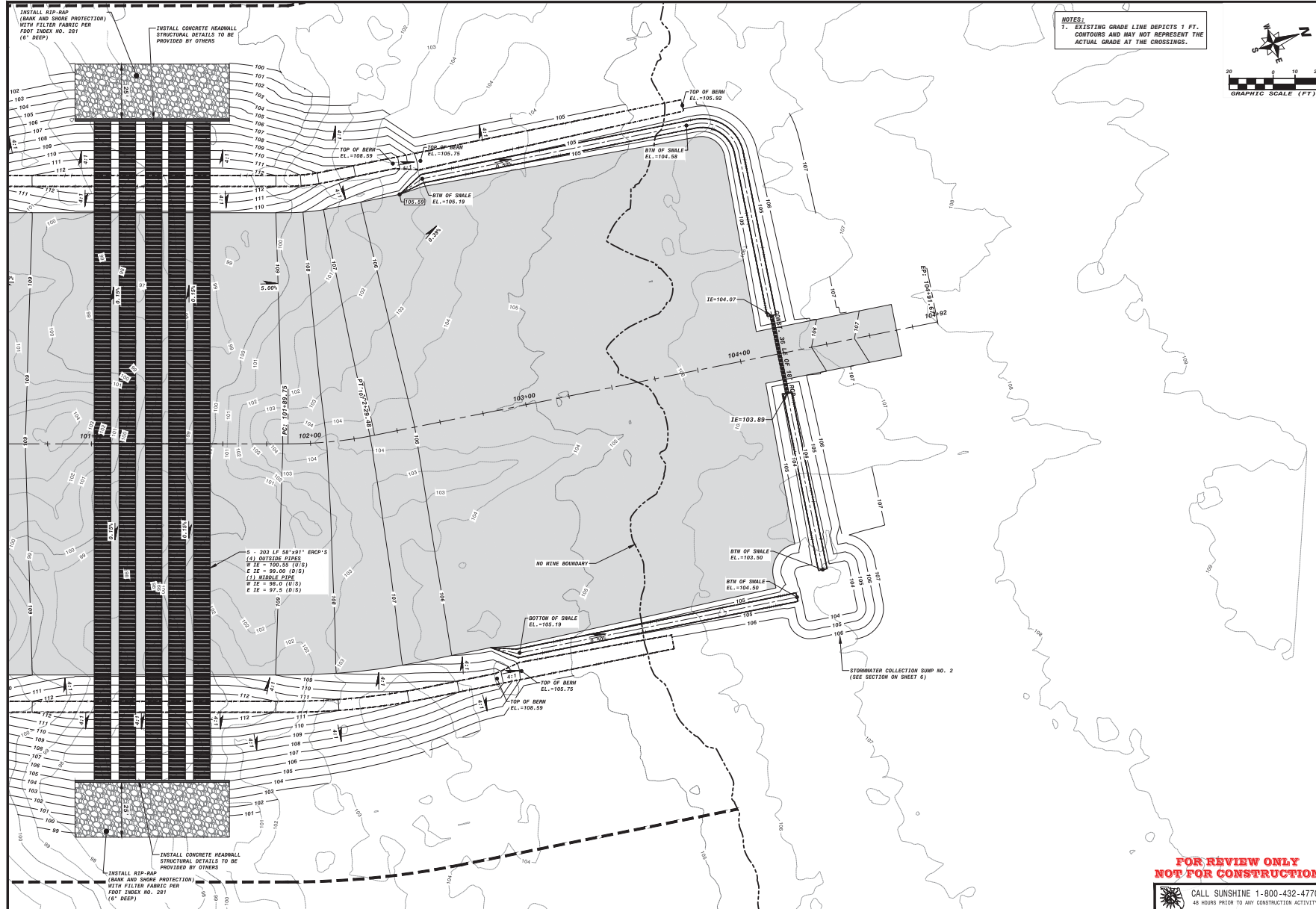
DATE: March 3, 2011
DRAWN BY: MAJ
CHECKED BY: MFJ
PROJECT NO.: 03-16268

SCOTT WUITSCHICK, P.E.
FLA. REG. NO. 54648

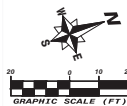
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REFER TO INDEX FOR TOTAL SHEETS INCLUDED

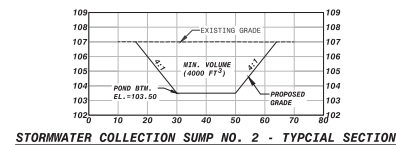
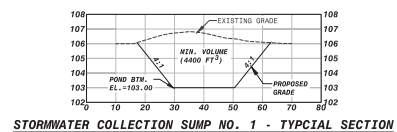
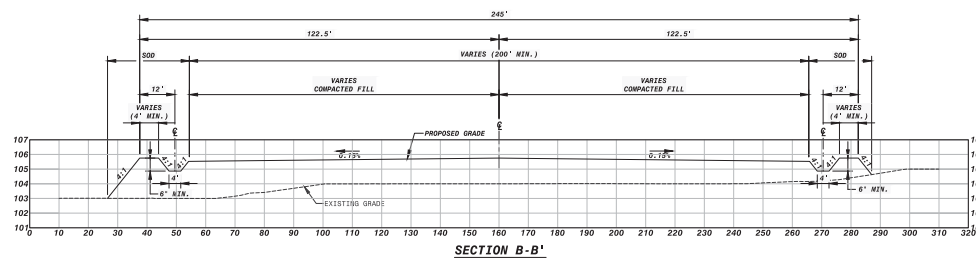
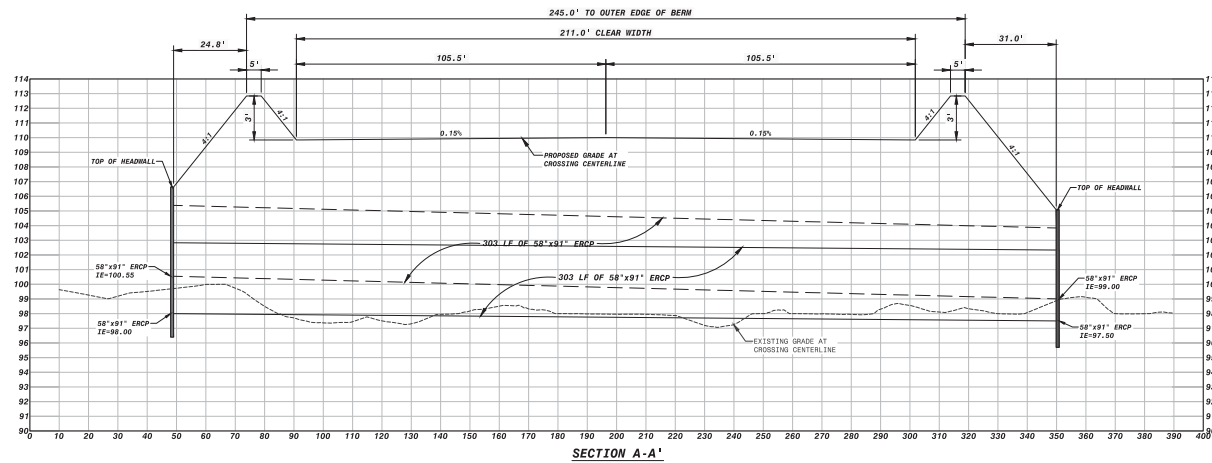
SHEET - 4



NOTES:
1. EXISTING GRADE LINE DEPICTS 1 FT. CONTOURS AND MAY NOT REPRESENT THE ACTUAL GRADE AT THE CROSSINGS.



CF INDUSTRIES, INC. - HARDEE PHOSPHATE COMPLEX SOUTH PASTURE EXTENSION BRUSHY CREEK UTILITY CORRIDOR CROSSING SITE PLAN - NORTH HARDEE COUNTY, FLORIDA	
DATE: March 3, 2011 DRAWN BY: SAJ CHECKED BY: ALP PROJECT NO.: 03-10288	SCOTT WILTSCHICK, P.E. FLA. REG. NO. 54648 DATE:
FOR REVIEW ONLY NOT FOR CONSTRUCTION CALL SUNSHINE 1-800-432-4770 48 HOURS PRIOR TO ANY CONSTRUCTION ACTIVITY	
SHEET - 5	



**FOR REVIEW ONLY
NOT FOR CONSTRUCTION**



CALL SUNSHINE 1-800-432-4770
48 HOURS PRIOR TO ANY CONSTRUCTION ACTIVITY

CF INDUSTRIES, INC. - HARDEE PHOSPHATE COMPLEX	SOUTH PASTURE EXTENSION
BRUSHY CREEK UTILITY CORRIDOR CROSSING TYPICAL CROSS SECTIONS	HARDEE COUNTY, FLORIDA

DATE: March 3, 2011
DRAWN BY: MAJ
CHECKED BY: MJF
PROJECT NO.: 03-16268

SCOTT WUITSCHICK, P.E.
FLA. REG. NO. 54648

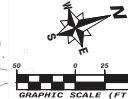
DATE: _____

REFER TO INDEX FOR TOTAL SHEETS INCLUDED.

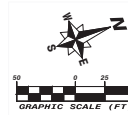
SHEET - 6

BCL
engineers & scientists
2000 E. Edgewood Dr., Ste #215
Lakeland, FL 33803
863.667.2345 - www.bcleng.com
EB-0007867

NO.	DATE	REVISION	APPR.
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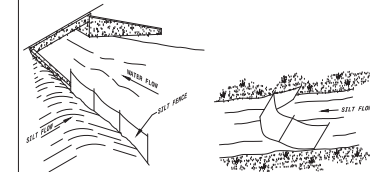
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GRAPHIC SCALE (FT)



NOTES:

-

NOTE: SILT FENCE TO BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR STAKED FENCE (L.F.)



TYPE III SILT FENCE

TYPE III SILT FENCE

NOTE: DO NOT DEPLOY IN ANY MANNER THAT SILT FENCES WILL ACT AS A DAM ACROSS PERMANENT FLOWING WATERCOURSES. SILT FENCES ARE TO BE USED AT UPLAND LOCATIONS AND TURBIDITY BARRIERS USED AT PERMANENT BODIES OF WATER.

EROSION & SEDIMENT CONTROL
N.T.S.

OWNER CERTIFICATION

I have read the notes and reviewed the plans and I propose to properly implement erosion and sediment control during construction.

SIGNATURE: _____

PRINTED NAME: _____

**FOR REVIEW ONLY
NOT FOR CONSTRUCTION**

 **CALL SUNSHINE 1-800-432-4770**
48 HOURS PRIOR TO ANY CONSTRUCTION ACTIVITY

[illegible]

BCL
engineers & scientists
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Lakeland, FL 33803
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EB-0007867

CF INDUSTRIES, INC. - HARDEE PHOSPHATE COMPLEX

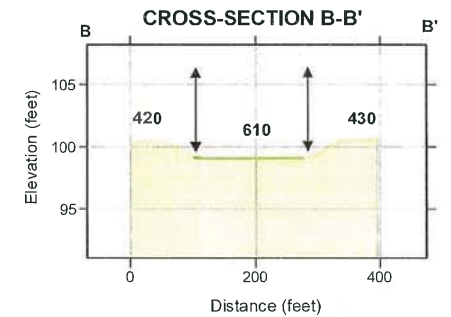
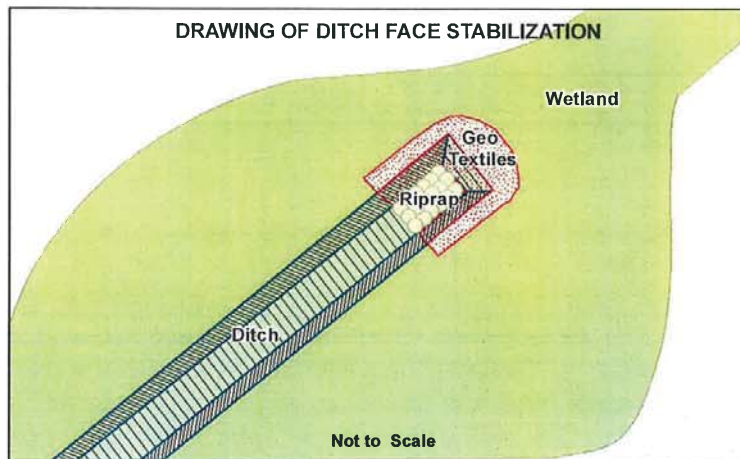
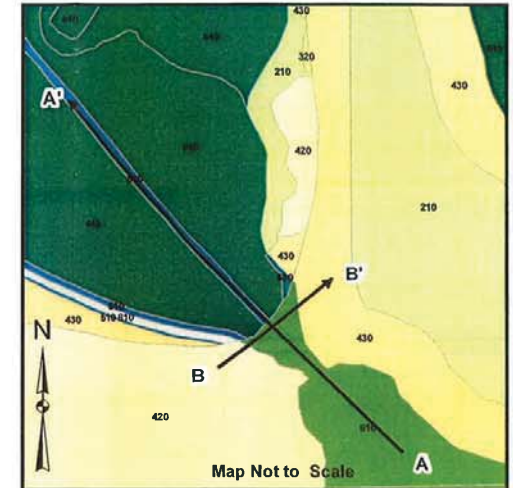
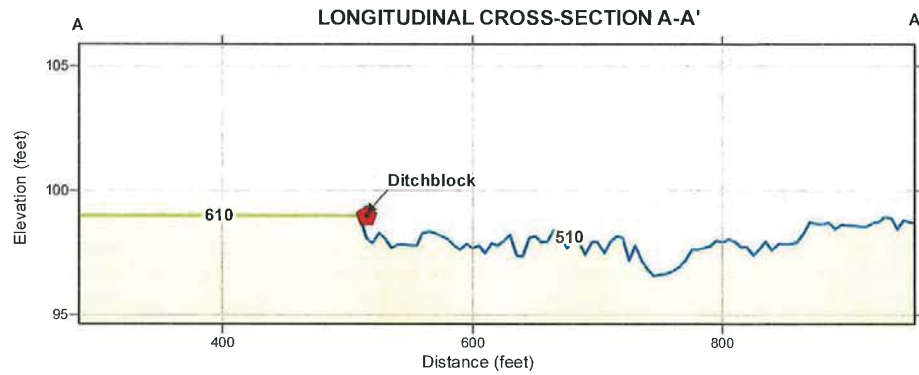
DATE: March 3, 2011
DRAWN BY: MAJ
CHECKED BY: MAJ
PROJECT NO.: 03-16268

SCOTT WUITCHICK, P.E.
FLA. REG. NO. 54648

DATE: _____

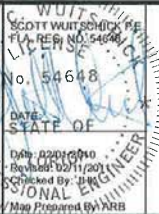
REFER TO INDEX FOR TOTAL SHEETS ENCLOSED.

SHEET - 7



Notes:

- 1- Project No.: 03-16268
- 2- Cross Sections exaggerated 20 times
- 3- This map is intended to be used for planning purposes only. It is not a survey.

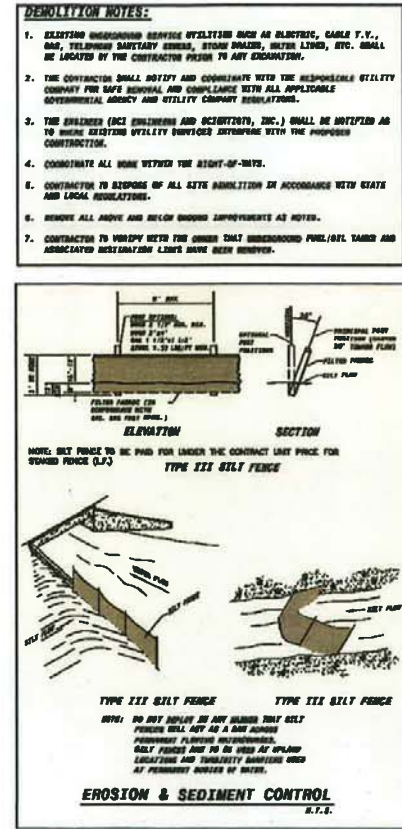


Explanation of Features

→ Ditch Face Stabilization Cross-Sections



Figure EN-19
Ditch Face Stabilization Cross-Sections
South Pasture Extension
Post-Reclamation
Hardee County, Florida



2- This map is intended to be used for planning purposes only. It is not a survey.

SCD
FLA. REG. NO. 54648
C
WUITSCHICK
LICENSE
No. 54648
DATE:
STATE
Date: 03/01/2011
Checked By: A
Map Prepared By: SCW



AMEC - BCI Engineers & Scientists, Inc. - 2000 E. Edgewood Drive Ste #215 - Lakeland, FL 33803 - CA-0007867 - (863) 667-2345