ANNEX B

FLORIDA NATURAL AREAS INVENTORY REPORT

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FLORIDA NATURAL AREAS INVENTORY

1018 Thomasville Road, Suite 200-C · Tallahassee, Florida 32303 · (850) 224-8207

31 March 1998

GOLDER ASSOCIATES INC.
REC'D
PN
FN
CC
APR 06 1998
RTE

Mr. Dave Culver, Environmental Scientist
Golder Associates, Inc.
8933 Western Way, Ste 12
Jacksonville, FL 32256

Dear Mr. Culver,

This letter is in reference to your request for information from the Florida Natural Areas Inventory (FNAI). Your data request of 03 March 1998 specified a 22 mile section of the Herbert Hoover Dike on Lake Okeechobee.

A search of our maps and computerized database indicates that currently we have the following "Element Occurrence Records" mapped within a 1 mile corridor of this area:

Scientific Name	Common Name	Global Rank	State Rank	Fed. Status	State Status	Notes
Vertebrates:						
Mycteria americana	wood stork	G4	S2	LE	LE	On or near site
Haliaeetus leucocephalus	bald eagle	G4	S3	LT	LT	On site
Haliaeetus leucocephalus	bald eagle	G4	S3	LT	LT	On or near site
Haliaeetus leucocephalus	bald eagle	G4	S3	LT	LT	"
Alligator mississippiensis	American alligator	G5	S4	T(S/A)	LS	On site
Drymarchon corais couperi	eastern indigo snake	G4T3	S3	LT	LT	On site
Drymarchon corais couperi	eastern indigo snake	G4T3	S3	LT	LT	Within 1-mile corridor
Trichechus manatus	manatee	G2?	S2?	LE	LE	On site
Rare Animal		G5	S2	LT	LT	*
Plants:						
Rare Plant		G1T1	S1	LE	LE	*
Rare Plant		G1T1	S1	LE	LE	*

*Several of the species and natural communities tracked by Florida Natural Areas Inventory are considered data sensitive. Occurrence records for these elements contain information which we consider sensitive due to collection pressures, extreme rarity, or at the request of the source of the information. The Element Occurrence Record has been stamped "Data Sensitive." We request that you please not publish or release specific locational data about these taxa or communities without written permission from FNAI. If you have any questions concerning this please do not hesitate to call.

In addition to the above, the Dupuis Reserve (managed by the South Florida Water Mgmt District) is located approximately one mile to the east and records of osprey, bald eagle, southeastern American kestrel,limpkin, and snail kite from the Florida Game and Fresh Water Fish Commission Breeding Bird Atlas can be found within the one mile corridor.

The enclosed EORs represent the special elements that occur on the project site. Also enclosed is an

element rank explanation sheet defining the FNAI Global/State Ranking and Federal/State legal status of each element.

We strongly suggest that a site specific survey be conducted on this property to determine the current presence or absence of rare, threatened or endangered species. This survey should be conducted by individuals familiar with Florida's flora and fauna. For your convenience, a summary of the elements recorded for Palm Beach and Martin Counties and a matrix giving seasonal and habitat distributions for the species are enclosed.

Whereas the data maintained by the Florida Natural Areas Inventory is the single most comprehensive source of information available on the locations of rare species and other significant ecological resources, it is not always based on comprehensive or site specific field surveys and therefore should not be regarded as a final statement on the biological resources of the site being considered, nor should it be substituted for on-site surveys.

Information provided by this database may not be published without prior written notification to the Florida Natural Areas Inventory, and FNAI must be credited as an information source in these publications. FNAI data may not be resold for profit.

If I can be of further assistance, please call me at (850) 224-8207.

Sincerely,

Barbara Lenczewski

Barbara Lenczewski, Ph.D.
Communications & Environmental Services
Coordinator

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FLORIDA NATURAL AREAS INVENTORY
1018 Thomasville Road, Suite 200-C, Tallahassee, FL 32303 (904) 224-8207

March 5, 1997

Martin County Summary

Occurrence Records currently in the FNAI database

Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Status	# FNAI Recorded Locations
FISH						
Bairdiella sanctaeluciae	striped croaker	G5	S2	N	N	1
Gobionellus stigmaturus	spottail goby	G2	S2	N	N	1
Microphis brachyurus	opossum pipefish	G5	S2	N	N	1
AMPHIBIANS						
Rana capito	gopher frog	G4	S3	N	LS	1
REPTILES						
Alligator mississippiensis	American alligator	G5	S4	T(S/A)	LS	1
Caretta caretta	loggerhead	G3	S3	LT	LT	3
Chelonia mydas	green turtle	G3	S2	LE	LE	3
Crotalus adamanteus	eastern diamondback rattlesnake	G5	S?	N	N	3
Dermochelys coriacea	leatherback	G3	S2	LE	LE	3
Drymarchon corais couperi	eastern indigo snake	G4T3	S3	LT	LT	5
Gopherus polyphemus	gopher tortoise	G3	S3	N	LS	5
Sceloporus woodi	Florida scrub lizard	G3	S3	N	N	7
BIRDS						
Aphelocoma coerulescens	Florida scrub-jay	G3	S3	LT	LT	11
Ardea alba	great egret	G5	S4	N	N	2
Caracara plancus	crested caracara	G5	S2	LT	LT	3
Egretta caerulea	little blue heron	G5	S4	N	LS	2
Egretta thula	snowy egret	G5	S4	N	LS	2
Egretta tricolor	tricolored heron	G5	S4	N	LS	2
Eudocimus albus	white ibis	G5	S4	N	LS	2
Falco peregrinus	peregrine falcon	G4	S2	E(S/A)	LE	1
Grus canadensis pratensis	Florida sandhill crane	G5T2T3	S2S3	N	LT	2
Haliaeetus leucocephalus	bald eagle	G4	S3	LT	LT	9
Nycticorax nycticorax	black-crowned night-heron	G5	S3?	N	N	1
Pandion haliaetus	osprey	G5	S3S4	N	LS*	1
Pelecanus occidentalis	brown pelican	G4	S3	N	LS	1
Picoides borealis	red-cockaded woodpecker	G3	S2	LE	LT	1
Rostrhamus sociabilis plumbeus	snail kite	G4G5T1	S1	LE	LE	1
Rynchops niger	black skimmer	G5	S3	N	LS	1
Sterna antillarum	least tern	G4	S3	N	LT	1
MAMMALS						
Felis concolor coryi	Florida panther	G5T1	S1	LE	LE	1
Podomys floridanus	Florida mouse	G3	S3	N	LS	1
Trichechus manatus	manatee	G2?	S2?	LE	LE	3

FLORIDA NATURAL AREAS INVENTORY
Martin County Summary

Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Status	# FNAI Recorded Locations
INVERTREBRATES						
Cicindela hirtilabris	peninsular tiger beetle	G3?	S?	N	N	1
Latrodectus bishopi	red widow spider	GU	S?	N	N	1
VASCULAR PLANTS						
Argusia gnaphalodes	sea lavender	G4	S3	N	N	4
Aristida rhizomophora	Florida three-awned grass	G2	S2	N	N	2
Asclepias curtissii	Curtiss' milkweed	G3	S3	N	LE	4
Asimina tetramera	four-petal pawpaw	G1	S1	LE	LE	8
Chamaesyce cumulicola	sand-dune spurge	G2	S2	N	LE	2
Cheiroglossa palmata	hand fern	G5	S2	N	N	2
Coelorachis tuberculosa	piedmont jointgrass	G3	S3	N	N	3
Conradina grandiflora	large-flowered rosemary	G3	S3	N	LE	17
Ctenitis sloanei	Florida tree fern	G5	S2	N	LE	1
Glandularia maritima	coastal vervain	G2	S2	N	N	2
Halophila johnsonii	Johnson's seagrass	G2	S2	PT	LE	3
Jacquemontia reclinata	beach jacquemontia	G1	S1	LE	LE	2
Lechea cernua	nodding pinweed	G3	S3	N	LT	4
Lechea divaricata	pine pinweed	G2	S2	N	LE	1
Lilium catesbaei	southern red lily	G4	S3	N	LT	1
Linum carteri var smallii	Carter's large-flowered flax	G2T2	S2	N	LE	1
Oncidium bahamense	dancing-lady orchid	G3	S1	N	LE	7
Peperomia humilis	terrestrial peperomia	G5	S2	N	LE	1
Peperomia obtusifolia	blunt-leaved peperomia	G5	S2	N	LE	1
Persea humilis	scrub bay	G3	S3	N	N	7
Polygala smallii	tiny polygala	G1	S1	LE	LE	3
Pteroglossaspis ecristata	wild coco	G2G3	S2	N	LT	1
Remirea maritima	beach-star	G4	S3S4	N	LE	4
Rhynchosia cinerea	brown-haired snoutbean	G3	S3	N	N	2
Sophora tomentosa	necklace pod	G4G5	S3	N	N	5
Vanilla mexicana	scentless vanilla	G2G4	S1	N	LE	1
NON-VASCULAR PLANTS						
Cladonia perforata	perforate reindeer lichen	G1	S1	LE	LE	5
NATURAL COMMUNITIES						
Beach Dune		G4?	S2	N	N	9
Blackwater Stream		G4	S2	N	N	2
Coastal Strand		G3?	S2	N	N	5
Depression Marsh		G4?	S3	N	N	2
Dome Swamp		G4?	S3?	N	N	2
Estuarine Tidal Swamp		G3	S3	N	N	1
Floodplain Swamp		G?	S4?	N	N	1
Hydric Hammock		G?	S4?	N	N	2
Marine Composite Substrate		G3	S3	N	N	1
Marine Consolidated Substrate		G3	S3	N	N	1
Marine Octocoral Bed		G2	S1	N	N	1
Marine Sponge Bed		G2	S2	N	N	1
Maritime Hammock		G4	S2	N	N	14
Marl Prairie		G?	S4?	N	N	1

FLORIDA NATURAL AREAS INVENTORY
Martin County Summary

Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Status	# FNAI Recorded Locations
NATURAL COMMUNITIES - cont.						
Mesic Flatwoods		G?	S4	N	N	2
Scrubby Flatwoods		G3	S3	N	N	1
Scrub		G2	S2	N	N	27
Shell Mound		G3	S2	N	N	1
Wet Flatwoods		G?	S4?	N	N	4
Xeric Hammock		G?	S3	N	N	1
OTHER						
Bird rookery				N	N	5
Geological feature				N	N	2
Manatee aggregation site				N	N	1

FLORIDA NATURAL AREAS INVENTORY
1018 Thomasville Road, Suite 200-C, Tallahassee, FL 32303 (904) 224-8207

March 5, 1997

Palm Beach County Summary

Occurrence Records currently in the FNAI database

Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Status	# FNAI Recorded Locations
FISH						
Bairdiella sanctaeluciae	striped croaker	G5	S2	N	N	1
Gobiomorus dormitor	bigmouth sleeper	G5	S2	N	N	1
Gobionellus stigmaturus	spottail goby	G2	S2	N	N	1
Microphis brachyurus	opossum pipefish	G5	S2	N	N	1
REPTILES						
Alligator mississippiensis	American alligator	G5	S4	T(S/A)	LS	3
Caretta caretta	loggerhead	G3	S3	LT	LT	5
Chelonia mydas	green turtle	G3	S2	LE	LE	5
Crotalus adamanteus	eastern diamondback rattlesnake	G5	S?	N	N	6
Dermochelys coriacea	leatherback	G3	S2	LE	LE	3
Drymarchon corais couperi	eastern indigo snake	G4T3	S3	LT	LT	6
Eretmochelys imbricata	hawksbill	G3	S1	LE	LE	1
Gopherus polyphemus	gopher tortoise	G3	S3	N	LS	21
Lepidochelys kempii	Kemp's ridley	G1	S1	LE	LE	1
Pituophis melanoleucus mugitus	Florida pine snake	G5T3?	S3	N	LS	1
Sceloporus woodi	Florida scrub lizard	G3	S3	N	N	6
BIRDS						
Aimophila aestivalis	Bachman's sparrow	G3	S3	N	N	2
Aphelocoma coerulescens	Florida scrub-jay	G3	S3	LT	LT	20
Ardea alba	great egret	G5	S4	N	N	3
Egretta caerulea	little blue heron	G5	S4	N	LS	3
Egretta thula	snowy egret	G5	S4	N	LS	2
Egretta tricolor	tricolored heron	G5	S4	N	LS	3
Eudocimus albus	white ibis	G5	S4	N	LS	4
Grus canadensis pratensis	Florida sandhill crane	G5T2T3	S2S3	N	LT	1
Haliaeetus leucocephalus	bald eagle	G4	S3	LT	LT	8
Mycteria americana	wood stork	G4	S2	LE	LE	4
Nyctanassa violacea	yellow-crowned night-heron	G5	S3?	N	N	1
Nycticorax nycticorax	black-crowned night-heron	G5	S3?	N	N	2
Pandion haliaetus	osprey	G5	S3S4	N	LS*	1
Picoides borealis	red-cockaded woodpecker	G3	S2	LE	LT	8
Picoides villosus	hairy woodpecker	G5	S3?	N	N	2
Rostrhamus sociabilis plumbeus	snail kite	G4G5T1	S1	LE	LE	4
Setophaga ruticilla	American redstart	G5	S3	N	N	1
Speotyto cunicularia floridana	Florida burrowing owl	G4T3	S3	N	LS	1
Sterna antillarum	least tern	G4	S3	N	LT	1
MAMMALS						
Felis concolor coryi	Florida panther	G5T1	S1	LE	LE	2
Podomys floridanus	Florida mouse	G3	S3	N	LS	1
Sciurus niger shermani	Sherman's fox squirrel	G5T2	S2	N	LS	1
Trichechus manatus	manatee	G2?	S2?	LE	LE	2

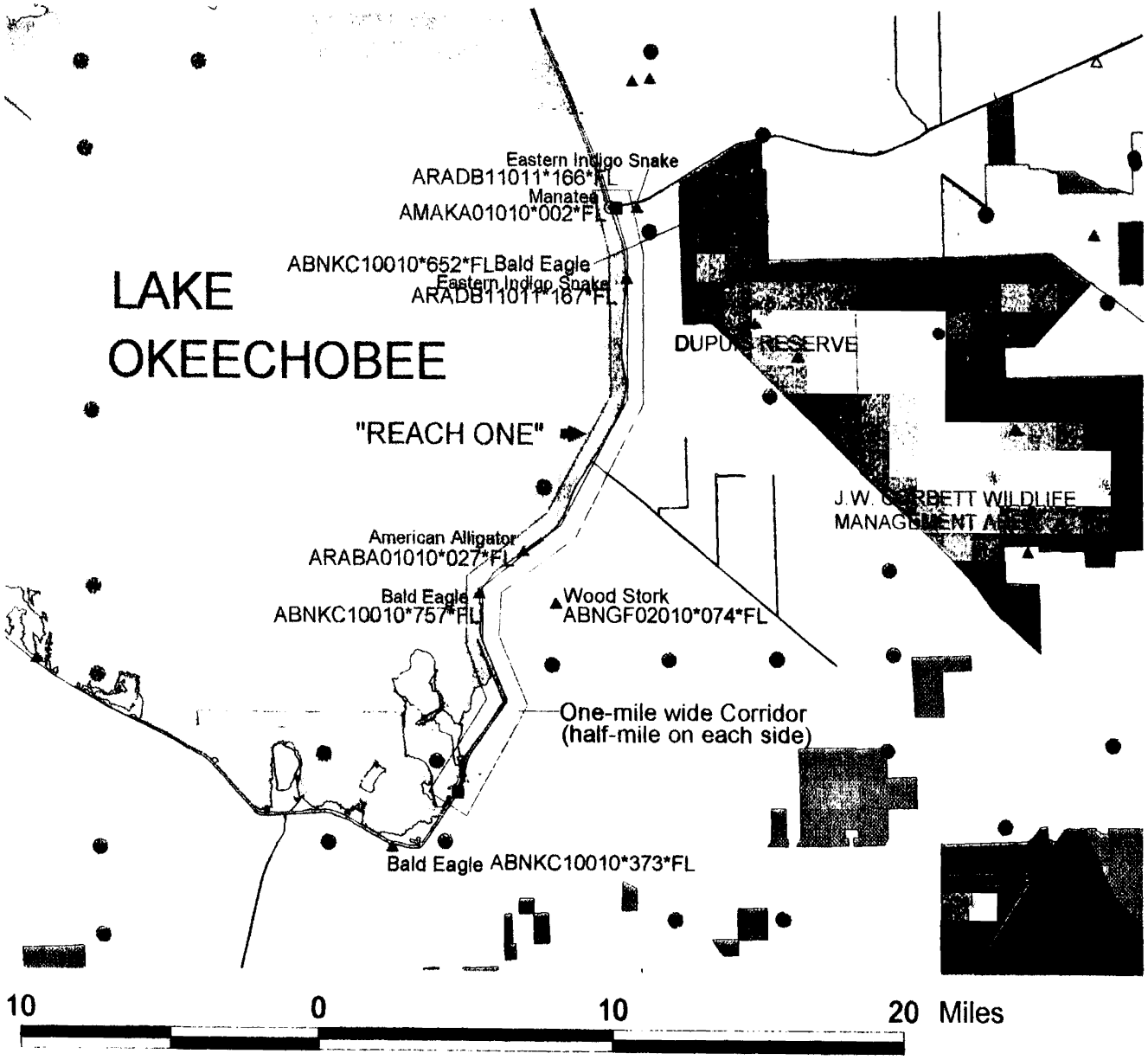
FLORIDA NATURAL AREAS INVENTORY
Palm Beach County Summary

Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Status	# FNAI Recorded Locations
INVERTREBRATES						
Latrodectus bishopi	red widow spider	GU	S?	N	N	1
VASCULAR PLANTS						
Acrostichum aureum	golden leather fern	G5	S3	N	LE	1
Actinostachys pennula	ray fern	G4G5	S1	N	N	3
Argusia gnaphalodes	sea lavender	G4	S3	N	N	7
Aristida rhizomophora	Florida three-awned grass	G2	S2	N	N	5
Asclepias curtissii	Curtiss' milkweed	G3	S3	N	LE	10
Asimina tetramera	four-petal pawpaw	G1	S1	LE	LE	14
Chamaesyce cumulicola	sand-dune spurge	G2	S2	N	LE	2
Cheiroglossa palmata	hand fern	G5	S2	N	N	8
Coccothrinax argentata	silver palm	G3	S2?	N	LE	1
Conradina grandiflora	large-flowered rosemary	G3	S3	N	LE	17
Cucurbita okeechobeensis ssp okeechobeensis	Okeechobee gourd	G1T1	S1	LE	LE	2
Glandularia maritima	coastal vervain	G2	S2	N	N	2
Halophila johnsonii	Johnson's seagrass	G2	S2	PT	LE	2
Hymenocallis latifolia	broad-leaved spiderlily	G4	S2S3	N	N	4
Jacquemontia reclinata	beach jacquemontia	G1	S1	LE	LE	9
Lantana depressa var floridana	Atlantic Coast Florida lantana	G2T2	S2	N	LE	1
Lechea cernua	nodding pinweed	G3	S3	N	LT	6
Lechea divaricata	pine pinweed	G2	S2	N	LE	5
Lilium catesbaei	southern red lily	G4	S3	N	LT	3
Nemastylis floridana	fall-flowering ixia	G2	S2	N	LE	2
Okenia hypogaea	burrowing four-o'clock	G3	S2	N	LE	10
Oncidium bahamense	dancing-lady orchid	G3	S1	N	LE	3
Panicum abscissum	cutthroat grass	G2	S2	N	LE	3
Persea humilis	scrub bay	G3	S3	N	N	10
Polygala smallii	tiny polygala	G1	S1	LE	LE	1
Pteris bahamensis	Bahama brake	G4	S3	N	LE	1
Remirea maritima	beach-star	G4	S3S4	N	LE	6
Rhynchosia cinerea	brown-haired snoutbean	G3	S3	N	N	1
Sophora tomentosa	necklace pod	G4G5	S3	N	N	4
Spiranthes lanceolata var paludicola	Fahkahatchee ladies' -tresses	G4T1	S1	N	N	1
Tephrosia angustissima var curtissii	coastal hoary-pea	G1T1	S1	N	N	1
Tillandsia flexuosa	banded wild-pine	G4	S3	N	LE	5
NON-VASCULAR PLANTS						
Cladonia perforata	perforate reindeer lichen	G1	S1	LE	LE	2
NATURAL COMMUNITIES						
Beach Dune		G4?	S2	N	N	11
Coastal Strand		G3?	S2	N	N	10
Depression Marsh		G4?	S3	N	N	2
Dome Swamp		G4?	S3?	N	N	1
Dry Prairie		G2	S2	N	N	2
Hydric Hammock		G?	S4?	N	N	1
Maritime Hammock		G4	S2	N	N	8
Mesic Flatwoods		G?	S4	N	N	1

Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Status	# FNAI Recorded Locations
NATURAL COMMUNITIES - cont.						
Scrubby Flatwoods		G3	S3	N	N	1
Scrub		G2	S2	N	N	29
Swale		G4?	S3	N	N	1
Upland Hardwood Forest		G?	S3	N	N	1
Wet Flatwoods		G?	S4?	N	N	3
OTHER						
Bird rookery				N	N	3
Geological feature				N	N	1
Manatee aggregation site				N	N	2

Florida Natural Areas Inventory

"Reach One" portion of Herbert Hoover Dike, Lake Okeechobee
"Data Sensitive" Locations Masked



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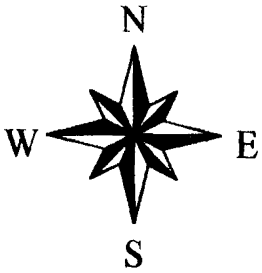

31 March 1998 Prepared by C. Sellers
Datasource: FNAI 3/98