



1018 Thomasville Road  
Suite 200-C  
Tallahassee, FL 32303  
850-224-8207  
fax 850-681-9364  
www.fnai.org

December 1, 2009

Stacy Rizzo  
Golder Associates, Inc.  
6026 NW 1<sup>st</sup> Place  
Gainesville, FL 32607

Dear Ms. Rizzo,

Thank you for your request for information from the Florida Natural Areas Inventory (FNAI). We have compiled the following information for your project area.

**Project:** Common Corridor  
**Date Received:** November 24, 2009  
**Location:** Levy and Citrus Counties

#### **Element Occurrences**

A search of our maps and database indicates that currently we have several Element Occurrences mapped within the vicinity of the study area (see enclosed maps and element occurrence tables). Please be advised that a lack of element occurrences in the FNAI database is not a sufficient indication of the absence of rare or endangered species on a site.

*The Element Occurrences data layer includes occurrences of rare species and natural communities. The map legend indicates that some element occurrences occur in the general vicinity of the label point. This may be due to lack of precision of the source data, or an element that occurs over an extended area (such as a wide ranging species or large natural community). For animals and plants, Element Occurrences generally refer to more than a casual sighting; they usually indicate a viable population of the species. Note that some element occurrences represent historically documented observations which may no longer be extant.*

#### **Likely and Potential Rare Species**

In addition to documented occurrences, other rare species and natural communities may be identified on or near the site based on habitat models and species range models (see enclosed Biodiversity Matrix Reports). These species should be taken into consideration in field surveys, land management, and impact avoidance and mitigation.

*FNAI habitat models indicate areas, which based on land cover type, offer suitable habitat for one or more rare species that is known to occur in the vicinity. Habitat models have been developed for approximately 300 of the rarest species tracked by the Inventory, including all federally listed species.*

*FNAI species range models indicate areas that are within the known or predicted range of a species, based on climate variables, soils, vegetation, and/or slope. Species range models have been developed for approximately 340 species, including all federally listed species.*



Florida Resources  
and Environmental  
Analysis Center

Institute of Science  
and Public Affairs

The Florida State University

*Tracking Florida's Biodiversity*

*The FNAI Biodiversity Matrix Geodatabase compiles Documented, Likely, and Potential species and natural communities for each square mile Matrix Unit statewide.*

### **Florida Scrub-jay Survey – U.S. Fish and Wildlife Service**

This survey was conducted by staff and associates of the Archbold Biological Station from 1992 to 1996. An attempt was made to record all scrub-jay (*Aphelocoma coerulescens*) groups, although most federal lands were not officially surveyed. Each map point represents one or more groups.

This data layer indicates that there are potential scrub-jay populations on or very near your site. For additional information:

Fitzpatrick, J.W., B. Pranty, and B. Stith, 1994, Florida scrub jay statewide map, 1992-1993. U. S. Fish and Wildlife Service Report, Cooperative Agreement no. 14-16-004-91-950.

### **Managed Areas**

Portions of the site appear to be located within the Marjorie Harris Carr Cross Florida Greenway State Recreation and Conservation Area, managed by the Florida Department of Environmental Protection, Division of Greenways and Trails.

*The Managed Areas data layer shows public and privately managed conservation lands throughout the state. Federal, state, local, and privately managed conservation lands are included.*

### **Land Acquisition Projects**

This site appears to be located within the Etoniah/Cross Florida Greenway Florida Forever BOT Project, which is part of the State of Florida's Conservation and Recreation Lands land acquisition program. A description of this project is enclosed. For more information on this Florida Forever Project, contact the Florida Department of Environmental Protection, Division of State Lands.

*Florida Forever Board of Trustees (BOT) projects are proposed and acquired through the Florida Department of Environmental Protection, Division of State Lands. The state has no regulatory authority over these lands until they are purchased.*

The Inventory always recommends that professionals familiar with Florida's flora and fauna should conduct a site-specific survey to determine the current presence or absence of rare, threatened, or endangered species.

Please visit [www.fnai.org/trackinglist.cfm](http://www.fnai.org/trackinglist.cfm) for county or statewide element occurrence distributions and links to more element information.

The database 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. However, the data are not always based on comprehensive or site-specific field surveys. Therefore, this information 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. Inventory data are designed for the purposes of conservation planning and scientific research, and are not intended for use as the primary criteria for regulatory decisions.

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

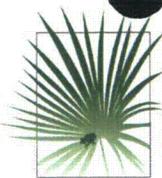
Thank you for your use of FNAI services. If I can be of further assistance, please give me a call at (850) 224-8207.

Sincerely,

**Alicia C. Newberry**

Alicia C. Newberry  
Data Services Coordinator

Encl



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**FLORIDA**  
**Natural Areas**  
INVENTORY

**Element Occurrences**

- Animals
- Plants
- Communities
- Other
- Data Sensitive
- Point Indicates General Vicinity of Element
- U.S. Fish & Wildlife Service Scrub Jay Survey 1992-96

**Conservation Lands**

- Federal
- State
- Local
- Private
- State Aquatic Preserves

**Land Acquisition Projects**

- Florida Forever
- Board of Trustees Projects

- FNAI Rare Species Habitat
- FNAI Biodiversity Matrix Square Mile Units

- County Boundary
- Interstate
- Turnpike
- Major Highway
- Local Road
- Railroad [Inactive railroads shown in Gray]
- Water

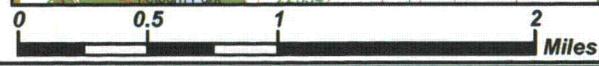
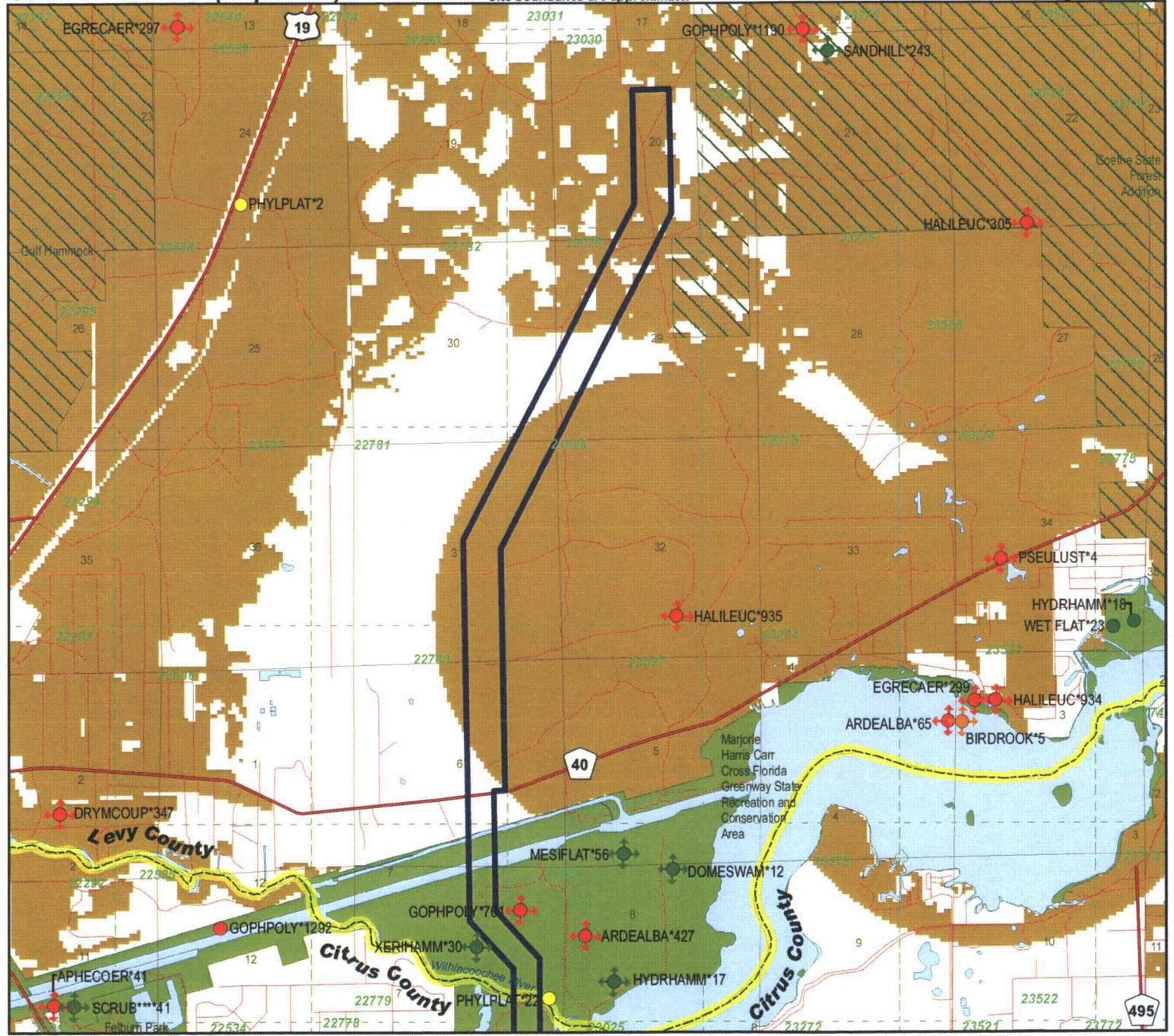


**NOTE**  
Map should not be interpreted without accompanying documents.

**Common Corridor (Map 1 of 2)**

Site boundaries are approximate.

**Levy County**



Map produced by ACN  
Map Date: 1 DEC 2009

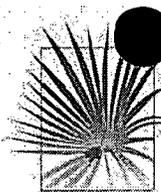


# Florida Natural Areas Inventory

## ELEMENT OCCURRENCES DOCUMENTED ON OR NEAR Common Corridor (Map 1 of 2)



Map Label	Scientific Name	Common Name	Global State Federal State Observation				Date	Description	EO Comments
			Rank	Rank	Status	Listing			
DOMESWAM*12	Dome swamp		G4	S4	N	N	2004	SCATTERED OCCURRENCES UP TO 20 AC.; NO EVIDENCE OF LOGGING, TREES MAY BE DWARFED; WATER QUALITY APPARENTLY GOOD; POOLS ARE PEAT BOTTOMED.	2004: Update to last obs date was based on interpretation of aerial photography (previous value was 1991-11-12) (U05FNA02FLUS). OVERSTORY DOMINATED BY SMALL TAXODIUM ASCENDENS; WATER DEPTH UP TO 3 FEET.
MESIFLAT*56	Mesic flatwoods		G4	S4	N	N	2004	No general description given	2004: Update to last obs date was based on interpretation of aerial photography (previous value was 1991-11-12) (U05FNA02FLUS). APPROX. 50 YEAR OLD PINUS PALUSTRIS WITH RELATIVELY DENSE UNDERSTORY OF SERENOA REPENS, LYONIA LUCIDA, AND ILEX GLABRA.
HYDRHAMM*17	Hydric hammock		G4	S4	N	N	2004	ISOLATED OCCURRENCE WITH LIMESTONE BOULDERS AT THE SURFACE; SOME DEEPER POOLS OF WATER.	2004: Update to last obs date was based on interpretation of aerial photography (previous value was 1991-11-12) (U05FNA02FLUS). DOMINATED BY SABAL PALMETTO AND ACER RUBRUM.
EGRECAER*297	Egretta caerulea	Little Blue Heron	G5	S4	N	LS	1988-06-02	Shrub pond in clearcut.	1988/06/02: D.E. Runde, GFC, observation. Map lat and long from USGS topo. Private property; no ground access. "Total" = F (includes CAEG, LBHE, SMDARK). 1989/05/22: J.A. Hovis, GFC, observation. Surveyed from helicopter. Site not visited by plane in 198
SCRUB****41	Scrub		G2	S2	N	N	1981-02-21	PALMETTO SCRUB, SCATTERED PALMS	OCCURRENCE AT SITE
PHYLPLAT*2	Phyllanthus leibmannianus ssp. platylepis	Pinewoods Dainties	G4T2	S2	N	LE	1965-	No general description given	1965: STEMS ERECT, STOLONIFEROUS (FL-MALE FLS. ONLY).(S65WIGUFFLUS).
WET FLAT*23	Wet flatwoods		G4	S4	N	N	2004	GRADES INTO BAYGALL WITH PERSEA PALUSTRIS, AND MAGNOLIA VIRGINIANA; VERY WET AND DENSE.	2004: Update to last obs date was based on interpretation of aerial photography (previous value was 1991-11-26) (U05FNA02FLUS). DOMINATED BY PINUS ELLIOTTII WITH LYONIA SP., AND SMILAX LAURIFOLIA.



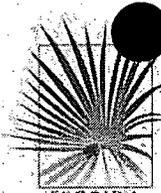
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## ELEMENT OCCURRENCES DOCUMENTED ON OR NEAR Common Corridor (Map 1 of 2)



Map Label	Scientific Name	Common Name	Global State Federal State Observation				Date	Description	EO Comments
			Rank	Rank	Status	Listing			
HYDRHAMM*18	Hydric hammock		G4	S4	N	N	2004	No general description given	2004: Update to last obs date was based on interpretation of aerial photography (previous value was 1991-11-26) (U05FNA02FLUS). DOMINATED BY TAXODIUM DISTICHUM, SABAL PALMETTO, ACER RUBRUM, NYSSA SP., AND PINUS ELLIOTTII; ASTER CAROLINIANUS.
DRYMCOUP*347	Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT	1973-10	No general description given	MUSEUM SPECIMEN: S. CHRISTMAN, OCT 1973, UF.
EGRECAER*299	Egretta caerulea	Little Blue Heron	G5	S4	N	LS	1989-05-22	Two spoil islands in lake; shrubs (willows?) in Lake Rousseau near Levy/Citrus Co. Line near mouth of canal.	1989/05/22: J.A. Hovis, GFC, observation. Surveyed from helicopter. Site not visited by plane in 1989. Map lat and long from Fla. Atlas. Data for both islands combined here. "Total" = F (includes GREG, CAEG, LBHE, ANHI).
BIRDROOK*5	Bird Rookery		G5	SNR	N	N	1978-04	TWO SPOIL ISLANDS IN LAKE, NESTING SUBSTRATE OF ELDERBERRY.	ANHINGA (15 BREEDING PAIRS 4/77), GREAT BLUE HERON (10 BP 4/76), CATTLE EGRET (30 BP 4/76, 20 NON-BREEDERS 6/76), GREAT EGRET (25 BP 4/76, 10 NON-BREEDERS 6/76, 125 BP 4/77, 20 BP 4/78).
APHECOER*41	Aphelocoma coerulescens	Florida Scrub-jay	G2	S2	LT	LT	1981-02-21	PALMETTO SCRUB, SCATTERED PINES	1981-02-21: 2 SCRUB JAYS
ARDEALBA*427	Ardea alba	Great Egret	G5	S4	N	N	1987-05-26	Swamp	1987/05/26: D.E. Runde, GFC; Total = 15.
ARDEALBA*65	Ardea alba	Great Egret	G5	S4	N	N	1989-05-22	TWO SPOIL ISLANDS IN LAKE, NESTING SUBSTRATE OF ELDERBERRY.	25 BREEDING PAIRS (4/76), 10 NON-BREEDING INDIVIDUALS (6/76), 125 BREEDING PAIRS (4/77), 20 BREEDING PAIRS (4/78), PRESENT BUT NO NUMBERS GIVEN FOR SPECIES (5/89).
GOPHPOLY*701	Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT	2007-09-05	1996-02-24: open grassy area within a slash pine flatwoods; past disturbance from canal construction and spoil deposition (U96MAI01FLUS). 1991-11-12: xeric hammock with Quercus virginiana, Q. laurifolia, Pinus palustris, and patchy	2007-09-05: NeSmith documented one active adult burrow (F08FNA02FLUS). 2004-01-21: A. Davis found eight burrows, only one of which was active (PNDDAV04FLUS, U04DAV01FLUS). 1996-02-24: Maidhof observed adult tortoise and three burro



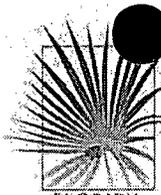
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## ELEMENT OCCURRENCES DOCUMENTED ON OR NEAR Common Corridor (Map 1 of 2)



Map Label	Scientific Name	Common Name	Global State Federal State Observation				Date	Description	EO Comments
			Rank	Rank	Status	Listing			
XERIHAMM*30	Xeric hammock		G3	S3	N	N	2004	GRADES INTO MESIC FLATWOODS.	2004: Update to last obs date was based on interpretation of aerial photography (previous value was 1991-11-12) (U05FNA02FLUS). OVERSTORY WITH QUERCUS VIRGINIANA, Q. LAURIFOLIA, AND PINUS PALUSTRIS; GROUND COVER PATCHY WITH ARISTIDA STRICTA, DALEA SP., A
HALILEUC*934	Haliaeetus leucocephalus	Bald Eagle	G5	S3	PS	N	2002	No general description given	Nest status 1999-2003: Active - 2002, 2001, 2000, 1999; Unknown/not assessed - 2003; Status 1995-98: Continuously active. (U03FWC01FLUS). Previous data (note different format) Nest; 1995: Produced 2 young; 1994: Active, produced 0 young; 1993: Active, pro
HALILEUC*305	Haliaeetus leucocephalus	Bald Eagle	G5	S3	PS	N	1998	No general description given	Nest status 1999-2003: Inactive - 2001, 2000, 1999; Unknown/not assessed - 2003, 2002; Status 1995-98: Active - 1998, 1997, 1996; Inactive - 1995; (U03FWC01FLUS). Previous data (note different format) NEST; 1995: INACTIVE; 1994: PRODUCED 2 YOUNG; 1993: P
HALILEUC*935	Haliaeetus leucocephalus	Bald Eagle	G5	S3	PS	N	2001	No general description given	Nest status 1999-2003: Active - 2001, 2000, 1999; Inactive - 2003, 2002; Status 1995-98: Continuously active. (U03FWC01FLUS). Previous data (note different format) Nest; 1995: Produced 1 young; 1994: Inactive; 1993: Active, produced 0 young; 1992-91: No
GOPHPOLY*1190	Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT	2006-09-26	2006-09-26: two small remnant sandhill tracts (may be some scrubby flatwoods characteristics in one) in relatively good condition, although logging removed larger sandhills and viewed some with burrow pines; however, some regeneration of longleaf pine is occurring; turkey oaks and native gro	2006-09-26: During Florida Forever project assessment, D. Jackson and J. Surdick observed several active tortoise burrows (mostly adult) in remnant sandhills and viewed some with burrow camera (PNDJAC01FLUS); of longleaf pine is occurring; turkey PNDJAC01FLUS);



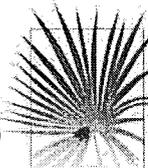
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# Florida Natural Areas Inventory

## ELEMENT OCCURRENCES DOCUMENTED ON OR NEAR Common Corridor (Map 1 of 2)



Map Label	Scientific Name	Common Name	Global State Federal State Observation				Date	Description	EO Comments
			Rank	Rank	Status	Listing			
SANDHILL*243	Sandhill		G3	S2	N	N	2006-09-26	2006-09-26: small remnant sandhill in relatively good condition, although logging removed larger pines; some scrubby characteristics (scrubby flatwoods?); turkey oaks and native groundcover, including wiregrass; surrounded by pine plantation, much of whi	2006-09-26: During Florida Forever project assessment, D. Jackson and J. Surdick observed site as well as active tortoise burrows (PNDJAC01FLUS; PNDSUR01FLUS).
PHYLPLAT*22	Phyllanthus leibmannianus ssp. platylepis	Pinewoods Dainties	G4T2	S2	N	LE	2004-05-19	2004-05-19: Both Source Points occurred within upland mixed forest with exposed limestone (U05HER01FLUS, U03HER01FLUS).	2004-05-19: Over 300 plants that were in bud and flower were observed scattered throughout an area covering 100 feet X 10 feet in the eastern-most Source Point (U05HER01FLUS). 2003-04-24: The western-most Source Point consisted of 10 scatte
PSEULUST*4	Pseudobranchius striatus lustricolus	Gulf Hammock Dwarf Siren	G5T1	S1	N	N	1951-03-15	1951: habitat not described by Neill (1951), although he does mention collecting hatchlings from an open pond near Inglis (A51NEI02FLUS); whether this was the same site is uncertain (PNDJAC01FLUS).	1951-03-15: W. T. Neill collected at least two adults (paratypes, ERA-WTN 14216-14217) (A51NEI02FLUS, B92MOL01FLUS).
GOPHPOLY*1292	Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT	2001-12-20	2001-12-20: north side of canal. Land clearing, excavation, and canal are disturbances present (U02HER01FLUS, PNDHER03FLUS, PNDSCH03FLUS).	2001-12-20: Two active burrows (U02HER01FLUS, PNDHER03FLUS, PNDSCH03FLUS).



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# Florida Natural Areas Inventory

## Biodiversity Matrix Report

Map 1 of 2



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<b>Matrix Unit ID: 22779</b>					
<b>Documented</b>					
<i>Phyllanthus leibmannianus</i> ssp. <i>platylepis</i>	Pinewood Dainties	G4T2	S2	N	LE
<b>Likely</b>					
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
Hydric hammock		G4	S4	N	N
Mesic flatwoods		G4	S4	N	N
<i>Trichechus manatus</i>	Manatee	G2	S2	LE	LE
Xeric hammock		G3	S3	N	N
<b>Potential</b>					
<i>Acipenser oxyrinchus desotoi</i>	Gulf Sturgeon	G3T2	S2	LT	LS
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Ardea alba</i>	Great Egret	G5	S4	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Leitneria floridana</i>	Corkwood	G3	S3	N	LT
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Pseudemys concinna suwanniensis</i>	Suwannee Cooter	G5T3	S3	N	LS
<i>Pteroglossaspis ecristata</i>	Giant Orchid	G2G3	S2	N	LT
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT

**Matrix Unit ID: 22780**

**Likely**

Mesic flatwoods		G4	S4	N	N
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**Potential**

<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Ardea alba</i>	Great Egret	G5	S4	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Leitneria floridana</i>	Corkwood	G3	S3	N	LT

**Definitions:** Documented - Rare species and natural communities documented on or near this site.  
 Documented-Historic - Rare species and natural communities documented, but not observed/reported within the last twenty years.  
 Likely - Rare species and natural communities likely to occur on this site based on suitable habitat and/or known occurrences in the vicinity.  
 Potential - This site lies within the known or predicted range of the species listed.



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Phyllanthus leibmannianus ssp. platylepis</i>	Pinewood Dainties	G4T2	S2	N	LE
<i>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT

#### Matrix Unit ID: 22781

##### Likely

<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
Mesic flatwoods		G4	S4	N	N

##### Potential

<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Arnoglossum diversifolium</i>	Variable-leaved Indian-plantain	G2	S2	N	LT
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Leitneria floridana</i>	Corkwood	G3	S3	N	LT
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Phyllanthus leibmannianus ssp. platylepis</i>	Pinewood Dainties	G4T2	S2	N	LE
<i>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT

#### Matrix Unit ID: 23026

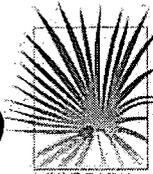
##### Documented

<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Phyllanthus leibmannianus ssp. platylepis</i>	Pinewood Dainties	G4T2	S2	N	LE

##### Likely

Dome swamp		G4	S4	N	N
Hydric hammock		G4	S4	N	N
Mesic flatwoods		G4	S4	N	N
Xeric hammock		G3	S3	N	N

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1018 Thomasville Road  
Suite 200-C  
Tallahassee, FL 32303  
(850) 224-8207  
(850) 681-9364 Fax

# Florida Natural Areas Inventory

## Biodiversity Matrix Report Map 1 of 2



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<b>Potential</b>					
<i>Acipenser oxyrinchus desotoi</i>	Gulf Sturgeon	G3T2	S2	LT	LS
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Ardea alba</i>	Great Egret	G5	S4	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Leitneria floridana</i>	Corkwood	G3	S3	N	LT
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Pseudemys concinna suwanniensis</i>	Suwannee Cooter	G5T3	S3	N	LS
<i>Pteroglossaspis ecrinata</i>	Giant Orchid	G2G3	S2	N	LT
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Rhexia parviflora</i>	Small-flowered Meadowbeauty	G2	S2	N	LE
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT

Matrix Unit ID: 23028

### Likely

<i>Haliaeetus leucocephalus</i>	Bald Eagle	G5	S3	N	N
Mesic flatwoods		G4	S4	N	N
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT

### Potential

<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Leitneria floridana</i>	Corkwood	G3	S3	N	LT
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Phyllanthus leibmannianus ssp. platylepis</i>	Pinewood Dainties	G4T2	S2	N	LE
<i>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS

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1018 Thomasville Road  
Suite 200-C  
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(850) 681-9364 Fax

# Florida Natural Areas Inventory

## Biodiversity Matrix Report

### Map 1 of 2



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE

**Matrix Unit ID: 23029**

**Likely**

Mesic flatwoods		G4	S4	N	N
<i>Picoides borealis</i>	Red-cockaded Woodpecker	G3	S2	LE	LS
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT

**Potential**

<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Arnoglossum diversifolium</i>	Variable-leaved Indian-plantain	G2	S2	N	LT
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Neovison vison halilimnetes</i>	Gulf Salt Marsh Mink	G5T3	S3	N	N
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Phyllanthus leibmannianus ssp. platylepis</i>	Pinewood Dainties	G4T2	S2	N	LE
<i>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE

**Matrix Unit ID: 23030**

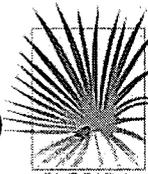
**Likely**

<i>Picoides borealis</i>	Red-cockaded Woodpecker	G3	S2	LE	LS
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT

**Potential**

<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Arnoglossum diversifolium</i>	Variable-leaved Indian-plantain	G2	S2	N	LT
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE

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FLORIDA  
 Natural Areas  
 INVENTORY

# Florida Natural Areas Inventory

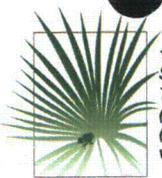
## Biodiversity Matrix Report

Map 1 of 2



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<i>Neovison vison halilimnetes</i>	Gulf Salt Marsh Mink	G5T3	S3	N	N
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Phyllanthus leibmannianus ssp. platylepis</i>	Pinewood Dainties	G4T2	S2	N	LE
<i>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE

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## FLORIDA Natural Areas INVENTORY

### Element Occurrences

- Animals
- Plants
- Communities
- Other
- Data Sensitive
- Point Indicates General Vicinity of Element
- U.S. Fish & Wildlife Service Scrub Jay Survey 1992-96

### Conservation Lands

- Federal
- State
- Local
- Private
- State Aquatic Preserves

### Land Acquisition Projects

- Florida Forever Board of Trustees Projects

- FNAI Rare Species Habitat
- FNAI Biodiversity Matrix Square Mile Units

- County Boundary
- Interstate
- Turnpike
- Major Highway
- Local Road
- Railroad [Inactive railroads shown in Gray]
- Water

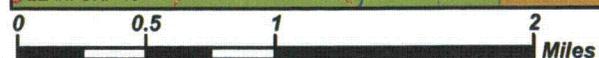
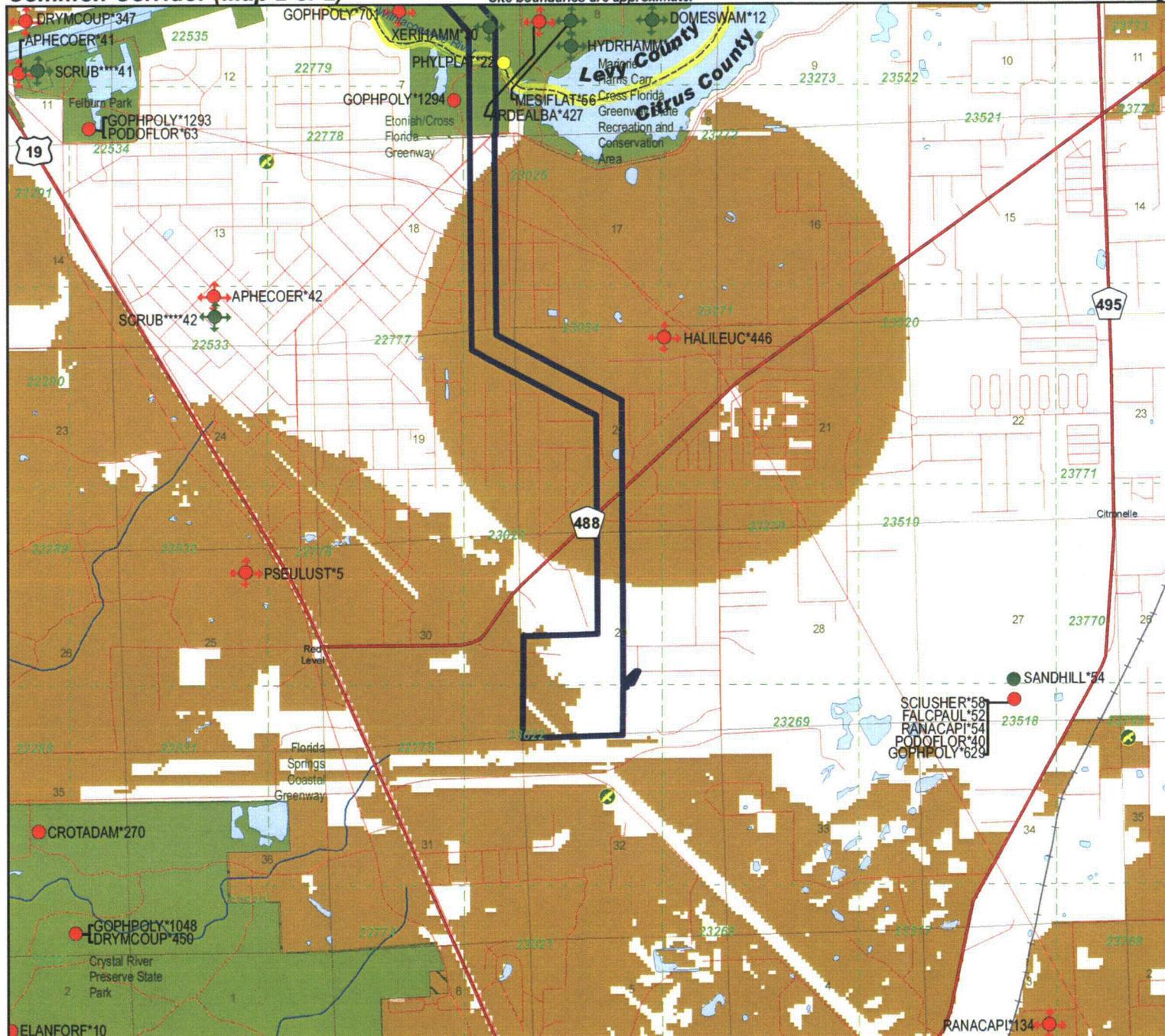


**NOTE**  
Map should not be interpreted without accompanying documents.

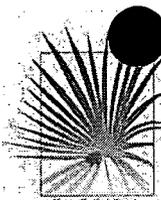
## Common Corridor (Map 2 of 2)

Site boundaries are approximate.

Citrus County



Map produced by ACN  
Map Date: 1 DEC 2009



1018 Thomasville Road  
Suite 200-C  
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# Florida Natural Areas Inventory

## ELEMENT OCCURRENCES DOCUMENTED ON OR NEAR Common Corridor (Map 2 of 2)



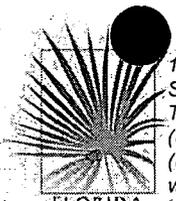
Map Label	Scientific Name	Common Name	Global State Federal State Observation				Date	Description	EO Comments
			Rank	Rank	Status	Listing			
DOMESWAM*12	Dome swamp		G4	S4	N	N	2004	SCATTERED OCCURRENCES UP TO 20 AC.; NO EVIDENCE OF LOGGING, TREES MAY BE DWARFED; WATER QUALITY APPARENTLY GOOD; POOLS ARE PEAT BOTTOMED.	2004: Update to last obs date was based on interpretation of aerial photography (previous value was 1991-11-12) (U05FNA02FLUS). OVERSTORY DOMINATED BY SMALL TAXODIUM ASCENDENS; WATER DEPTH UP TO 3 FEET.
MESIFLAT*56	Mesic flatwoods		G4	S4	N	N	2004	No general description given	2004: Update to last obs date was based on interpretation of aerial photography (previous value was 1991-11-12) (U05FNA02FLUS). APPROX. 50 YEAR OLD PINUS PALUSTRIS WITH RELATIVELY DENSE UNDERSTORY OF SERENOA REPENS, LYONIA LUCIDA, AND ILEX GLABRA.
APHECOER*42	Aphelocoma coerulescens	Florida Scrub-jay	G2	S2	LT	LT	1981-02-21	GRASSY PALMETTO SCRUB	1981-02-21: 11 SCRUB JAYS
RANACAPI*134	Rana capito	Gopher Frog	G3	S3	N	LS	1991-03-17	Upland Pine Forest; old field community	1991-03-17: D.J. STEVENSON, observed 1 adult female.
HYDRHAMM*17	Hydric hammock		G4	S4	N	N	2004	ISOLATED OCCURRENCE WITH LIMESTONE BOULDERS AT THE SURFACE; SOME DEEPER POOLS OF WATER.	2004: Update to last obs date was based on interpretation of aerial photography (previous value was 1991-11-12) (U05FNA02FLUS). DOMINATED BY SABAL PALMETTO AND ACER RUBRUM.
SCRUB****42	Scrub		G2	S2	N	N	2004	GRASSY PALMETTO SCRUB	2004: Update to last obs date was based on interpretation of aerial photography (previous value was 1981-02-21) (U05FNA02FLUS). OCCURRENCE AT SITE
SCRUB****41	Scrub		G2	S2	N	N	1981-02-21	PALMETTO SCRUB, SCATTERED PALMS	OCCURRENCE AT SITE
GOPHPOLY*629	Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT	1990-04	SANDHILL, LONGLEAF PINE-TURKEY OAK, WIREGRASS, ALSO SOME PASTURE.	NUMEROUS BURROWS. 300+/- INDIVIDUALS BASED ON BURROW SURVEYS TO FGFWFC STANDARDS, EST POPULATION DENSITY OF 1.3/AC. 42%, 25% AND 33% OF OBSERVED BURROWS WERE ACTIVE, INACTIVE AND OLD RESPECTIVELY.
FALCPAUL*52	Falco sparverius paulus	Southeastern American Kestrel	G5T4	S3	N	LT	1990-04	SANDHILL, LONGLEAF PINE-TURKEY OAK, WIREGRASS.	8 INDIVIDUALS AND SURVIVING FLEDGLINGS AND 2 CONFIRMED NESTS.

# Florida Natural Areas Inventory

## ELEMENT OCCURRENCES DOCUMENTED ON OR NEAR Common Corridor (Map 2 of 2)



Map Label	Scientific Name	Common Name	Global State Federal State Observation				Date	Description	EO Comments
			Rank	Rank	Status	Listing			
SANDHILL*54	Sandhill		G3	S2	N	N	1990-04	SANDHILL, LONGLEAF PINE-TURKEY OAK, WIREGRASS.	No EO data given
PODOFLOR*40	Podomys floridanus	Florida Mouse	G3	S3	N	LS	1990-04	SANDHILL, LONGLEAF PINE-TURKEY OAK, WIREGRASS.	36 (ADULTS AND JUVENILE) INDIVIDUALS CAPTURED AND RELEASED, DURING 800 TRAP NIGHT SURVEY. MAJORITY OF TRAPS WERE SET IN VICINITY OF GOPHERUS BURROWS.
RANACAPI*54	Rana capito	Gopher Frog	G3	S3	N	LS	1990-04	SANDHILL, LONGLEAF PINE-TURKEY OAK, WIREGRASS.	6 INDIVIDUALS CAPTURED IN FUNNEL TRAPS SET AT ENTRANCE OF GOPHER TORTOISE BURROWS.
SCIUSHER*58	Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS	1990-04	SANDHILL, LONGLEAF PINE-TURKEY OAK, WIREGRASS, ALSO IN PASTURE-BAHIA GRASS.	6 INDIVIDUALS OBSERVED IN SANDHILL AND PASTURE.
DRYMCOUP*347	Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT	1973-10	No general description given	MUSEUM SPECIMEN: S. CHRISTMAN, OCT 1973, UF.
APHECOER*41	Aphelocoma coerulescens	Florida Scrub-jay	G2	S2	LT	LT	1981-02-21	PALMETTO SCRUB, SCATTERED PINES	1981-02-21: 2 SCRUB JAYS
ARDEALBA*427	Ardea alba	Great Egret	G5	S4	N	N	1987-05-26	Swamp	1987/05/26: D.E. Runde, GFC; Total = 15.
GOPHPOLY*1048	Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT	1997-04-08	Planted slash pine; includes some relic sandhill planted with slash pine and turkey oak (NW1/4 of section 2 T18SR16E).	1997-04-08: One individual sighted on dirt road in NW1/4 section 1 T18SR16E (S. Blitch et al.). 1995-1997: S. Blitch made several sightings of tortoises at three different locations within element occurrence boundaries (see attached map).
CROTADAM*270	Crotalus adamanteus	Eastern Diamondback Rattlesnake	G4	S3	N	N	1996	Planted pine.	1996: S. Blitch observed one individual once or twice near state buffer preserve's shop.
ELANFORF*10	Elanoides forficatus	Swallow-tailed Kite	G5	S2	N	N	1995-SPRING	No general description given	1995 Spring: One pair nested in planted slash pine (S. Blitch).
DRYMCOUP*450	Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT	1996-XX-XX	Planted slash pine and pine flatwoods (T17SR16E sec. 35); oak hammock and pasture (T18SR16E Sec. 1) (S. Blitch); mature slash pine plantation (G. Maidhoff).	1995-1996: Individuals observed at four different locations by S. Blitch (no specific dates). 1995-02-21: One snake observed by Ms. Yulee Commander basking in fire trail (U95MAI02).



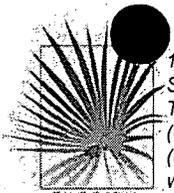
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# Florida Natural Areas Inventory

## ELEMENT OCCURRENCES DOCUMENTED ON OR NEAR Common Corridor (Map 2 of 2)



Map Label	Scientific Name	Common Name	Global State Federal State Observation				Date	Description	EO Comments
			Rank	Rank	Status	Listing			
PODOFLOR*63	<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS	1993-01-30	Remnant sandhills, unburned for an extensive period of time. To north is a highly disturbed dolomite mine. To south is sparsely developed subdivision.	1993-01-30: 3 individuals (1 juvenile male, 1 adult male, and 1 adult female) caught in Sherman traps (U93MAI01).
GOPHPOLY*701	<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT	2007-09-05	1996-02-24: open grassy area within a slash pine flatwoods; past disturbance from canal construction and spoil deposition (U96MAI01FLUS). 1991-11-12: xeric hammock with <i>Quercus virginiana</i> , <i>Q. laurifolia</i> , <i>Pinus palustris</i> , and patchy	2007-09-05: NeSmith documented one active adult burrow (F08FNA02FLUS). 2004-01-21: A. Davis found eight burrows, only one of which was active (PNDDAV04FLUS, U04DAV01FLUS). 1996-02-24: Maidhof observed adult tortoise and three burro
XERIHAMM*30	Xeric hammock		G3	S3	N	N	2004	GRADES INTO MESIC FLATWOODS.	2004: Update to last obs date was based on interpretation of aerial photography (previous value was 1991-11-12) (U05FNA02FLUS). OVERSTORY WITH QUERCUS VIRGINIANA, Q. LAURIFOLIA, AND PINUS PALUSTRIS; GROUND COVER PATCHY WITH ARISTIDA STRICTA, DALEA SP., A
HALILEUC*446	<i>Haliaeetus leucocephalus</i>	Bald Eagle	G5	S3	PS	N	2003	No general description given	Nest status 1995-2003: Continuously active. (U03FWC01FLUS). Previous data (note different format) NEST: 1995: PRODUCED 1 YOUNG; 1994: GONE; 1993: PRODUCED 2 YOUNG; 1992-87: NO DATA; 1982-1986 ACTIVE; FLEDGED YOUNG 1982-1983, 1985.
PHYLPLAT*22	<i>Phyllanthus leibmannianus</i> ssp. <i>platylepis</i>	Pinewoods Dainties	G4T2	S2	N	LE	2004-05-19	2004-05-19: Both Source Points occurred within upland mixed forest with exposed limestone (U05HER01FLUS, U03HER01FLUS).	2004-05-19: Over 300 plants that were in bud and flower were observed scattered throughout an area covering 100 feet X 10 feet in the eastern-most Source Point (U05HER01FLUS). 2003-04-24: The western-most Source Point consisted of 10 scatte
PSEULUST*5	<i>Pseudobranchius striatus</i> <i>lustricolus</i>	Gulf Hammock Dwarf Siren	G5T1	S1	N	N	1951-03-15	1951: habitat not described by Neill (1951) (A51NEI02FLUS).	1951-03-15: W. T. Neill collected at least eight adults (paratypes, ERA-WTN 14218-14225) (A51NEI02FLUS, B92MOL01FLUS).



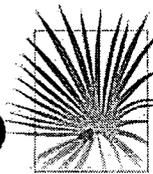
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# Florida Natural Areas Inventory

## ELEMENT OCCURRENCES DOCUMENTED ON OR NEAR Common Corridor (Map 2 of 2)



Map Label	Scientific Name	Common Name	Global State Federal State Observation				Date	Description	EO Comments
			Rank	Rank	Status	Listing			
GOPHPOLY*1293	Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT	2002-05-30	2002-05-30: ruderal site south of canal. Disturbances include land clearing, and excavation (U02HER01FLUS, PNDHER03FLUS, PNDSCH03FLUS).	2002-05-30: 2 active burrows were documented (U02HER01FLUS, PNDHER03FLUS, PNDSCH03FLUS).
GOPHPOLY*1294	Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT	2001-12-20	2001-12-20: ruderal site (limerock mine) (U02HER01FLUS, PNDHER03FLUS, PNDSCH03FLUS).	2001-12-20: one active burrow documented (U02HER01FLUS, PNDHER03FLUS, PNDSCH03FLUS).



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# Florida Natural Areas Inventory

## Biodiversity Matrix Report

Map 2 of 2



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<b>Matrix Unit ID: 23022</b>					
<b>Likely</b>					
<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
Mesic flatwoods		G4	S4	N	N
<b>Potential</b>					
<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Justicia cooleyi</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Leitneria floridana</i>	Corkwood	G3	S3	N	LT
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Phyllanthus leibmannianus ssp. platylepis</i>	Pinewood Dainties	G4T2	S2	N	LE
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT
<b>Matrix Unit ID: 23023</b>					
<b>Likely</b>					
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
Mesic flatwoods		G4	S4	N	N
<b>Potential</b>					
<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Justicia cooleyi</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Leitneria floridana</i>	Corkwood	G3	S3	N	LT
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Phyllanthus leibmannianus ssp. platylepis</i>	Pinewood Dainties	G4T2	S2	N	LE
<i>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS

**Definitions:** Documented - Rare species and natural communities documented on or near this site.  
 Documented-Historic - Rare species and natural communities documented, but not observed/reported within the last twenty years.  
 Likely - Rare species and natural communities likely to occur on this site based on suitable habitat and/or known occurrences in the vicinity.  
 Potential - This site lies within the known or predicted range of the species listed.



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT

**Matrix Unit ID: 23024**

**Likely**

<i>Haliaeetus leucocephalus</i>	Bald Eagle	G5	S3	N	N
Mesic flatwoods		G4	S4	N	N
Sandhill upland lake		G3	S2	N	N

**Potential**

<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Leitneria floridana</i>	Corkwood	G3	S3	N	LT
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Phyllanthus leibmannianus ssp. platylepis</i>	Pinewood Dainties	G4T2	S2	N	LE
<i>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT

**Matrix Unit ID: 23025**

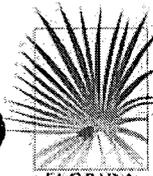
**Likely**

Hydric hammock		G4	S4	N	N
Mesic flatwoods		G4	S4	N	N
Sandhill upland lake		G3	S2	N	N

**Potential**

<i>Acipenser oxyrinchus desotoi</i>	Gulf Sturgeon	G3T2	S2	LT	LS
<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Ardea alba</i>	Great Egret	G5	S4	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT

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 Potential - This site lies within the known or predicted range of the species listed.



1018 Thomasville Road  
Suite 200-C  
Tallahassee, FL 32303  
(850) 224-8207  
(850) 681-9364 Fax

# Florida Natural Areas Inventory

## Biodiversity Matrix Report Map 2 of 2



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Leitneria floridana</i>	Corkwood	G3	S3	N	LT
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Phyllanthus leibmannianus ssp. platylepis</i>	Pinewood Dainties	G4T2	S2	N	LE
<i>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Pseudemys concinna suwanniensis</i>	Suwannee Cooter	G5T3	S3	N	LS
<i>Pteroglossaspis ecristata</i>	Giant Orchid	G2G3	S2	N	LT
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Rhexia parviflora</i>	Small-flowered Meadowbeauty	G2	S2	N	LE
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT

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 Documented-Historic - Rare species and natural communities documented, but not observed/reported within the last twenty years.  
 Likely - Rare species and natural communities likely to occur on this site based on suitable habitat and/or known occurrences in the vicinity.  
 Potential - This site lies within the known or predicted range of the species listed.

## GLOBAL AND STATE RANKS

Florida Natural Areas Inventory (FNAI) defines an **element** as any rare or exemplary component of the natural environment, such as a species, natural community, bird rookery, spring, sinkhole, cave, or other ecological feature. FNAI assigns two ranks to each element found in Florida: the **global rank**, which is based on an element's worldwide status, and the **state rank**, which is based on the status of the element within Florida. Element ranks are based on many factors, including estimated number of occurrences, estimated abundance (for species and populations) or area (for natural communities), estimated number of adequately protected occurrences, range, threats, and ecological fragility.

## GLOBAL RANK DEFINITIONS

- G1** Critically imperiled globally because of extreme rarity (5 or fewer occurrences or less than 1000 individuals) or because of extreme vulnerability to extinction due to some natural or man-made factor.
- G2** Imperiled globally because of rarity (6 to 20 occurrences or less than 3000 individuals) or because of vulnerability to extinction due to some natural or man-made factor.
- G3** Either very rare and local throughout its range (21-100 occurrences or less than 10,000 individuals) or found locally in a restricted range or vulnerable to extinction from other factors.
- G4** Apparently secure globally (may be rare in parts of range).
- G5** Demonstrably secure globally.
- G#?** Tentative rank (e.g., G2?)
- G#G#** Range of rank; insufficient data to assign specific global rank (e.g., G2G3)
- G#T#** Rank of a taxonomic subgroup such as a subspecies or variety; the G portion of the rank refers to the entire species and the T portion refers to the specific subgroup; numbers have same definition as above (e.g., G3T1)
- G#Q** Rank of questionable species - ranked as species but questionable whether it is species or subspecies; numbers have same definition as above (e.g., G2Q)
- G#T#Q** Same as above, but validity as subspecies or variety is questioned.
- GH** Of historical occurrence throughout its range, may be rediscovered (e.g., ivory-billed woodpecker)
- GNA** Ranking is not applicable because element is not a suitable target for conservation (e.g. as for hybrid species)
- GNR** Not yet ranked (temporary)
- GNRTR** Neither the full species nor the taxonomic subgroup has yet been ranked (temporary)
- GX** Believed to be extinct throughout range
- GXC** Extirpated from the wild but still known from captivity/cultivation
- GU** Unrankable. Due to lack of information, no rank or range can be assigned (e.g., GUT2).

## STATE RANK DEFINITIONS

Definition parallels global element rank: substitute "S" for "G" in above global ranks, and "in Florida" for "globally" in above global rank definitions.

**FEDERAL AND STATE LEGAL STATUSES (U.S. Fish and Wildlife Service – USFWS)  
PROVIDED BY FNAI FOR INFORMATION ONLY.**

For official definitions and lists of protected species, consult the relevant state or federal agency.

**FEDERAL LEGAL STATUS**

Definitions derived from U.S. Endangered Species Act of 1973, Sec. 3. Note that the federal status given by FNAI refers only to Florida populations and that federal status may differ elsewhere.

- LE** Listed as Endangered Species in the List of Endangered and Threatened Wildlife and Plants under the provisions of the Endangered Species Act. Defined as any species which is in danger of extinction throughout all or a significant portion of its range.
- LE,XN** A non essential experimental population of a species otherwise Listed as an Endangered Species in the List of Endangered and Threatened Wildlife and Plants. LE,XN for *Grus americana* (Whooping crane), Federally listed as XN (Non essential experimental population) refers to the Florida experimental population only. Federal listing elsewhere for *Grus americana* is LE.
- PE** Proposed for addition to the List of Endangered and Threatened Wildlife and Plants as Endangered Species.
- LT** Listed as Threatened Species, defined as any species which is likely to become an endangered species within the foreseeable future throughout all or a significant portion of its range.
- LT,PDL** Species currently listed Threatened but has been proposed for delisting.
- PT** Proposed for listing as Threatened Species.
- C** Candidate Species for addition to the list of Endangered and Threatened Wildlife and Plants, Category 1. Federal listing agencies have sufficient information on biological vulnerability and threats to support proposing to list the species as Endangered or Threatened.
- SAT** Threatened due to similarity of appearance to a threatened species.
- SC** Species of Concern, species is not currently listed but is of management concern to USFWS.
- N** Not currently listed, nor currently being considered for addition to the List of Endangered and Threatened Wildlife and Plants.

**FLORIDA LEGAL STATUSES (Florida Fish and Wildlife Conservation Commission – FFWCC/  
Florida Department of Agriculture and Consumer Services – FDACS)**

**Animals:** Definitions derived from “Florida’s Endangered Species and Species of Special Concern, Official Lists” published by Florida Fish and Wildlife Conservation Commission - FFWCC, 1 August 1997, and subsequent updates.

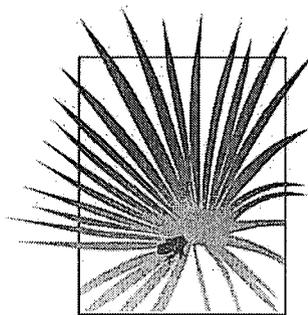
- LE** Listed as Endangered Species by the FFWCC. Defined as a species, subspecies, or isolated population which is so rare or depleted in number or so restricted in range of habitat due to any man-made or natural factors that it is in immediate danger of extinction or extirpation from the state, or which may attain such a status within the immediate future.
- LT** Listed as Threatened Species by the FFWCC. Defined as a species, subspecies, or isolated population which is acutely vulnerable to environmental alteration, declining in number at a rapid rate, or whose range or habitat is decreasing in area at a rapid rate and as a consequence is destined or very likely to become an endangered species within the foreseeable future.
- LT\*** Indicates that a species has LT status only in selected portions of its range in Florida. LT\* for *Ursus americanus floridanus* (Florida black bear) indicates that LT status does not apply in Baker and Columbia counties and in the Apalachicola National Forest. LT\* for *Neovison vison* pop. 1 (Southern mink, South Florida population) state listed as Threatened refers to the Everglades population only (Note: species formerly listed as *Mustela vison* mink pop. 1. Also, priorly listed as *Mustela evergladensis*).
- LS** Listed as Species of Special Concern by the FFWCC, defined as a population which warrants special protection, recognition, or consideration because it has an inherent significant vulnerability to habitat modification,

environmental alteration, human disturbance, or substantial human exploitation which, in the foreseeable future, may result in its becoming a threatened species.

- LS\*** Indicates that a species has LS status only in selected portions of its range in Florida. LS\* for *Pandion haliaetus* (Osprey) state listed as LS (Species of Special Concern) in Monroe County only.
- PE** Proposed for listing as Endangered.
- PT** Proposed for listing as Threatened.
- PS** Proposed for listing as a Species of Special Concern.
- N** Not currently listed, nor currently being considered for listing.

**Plants:** Definitions derived from Sections 581.011 and 581.185(2), Florida Statutes, and the Preservation of Native Flora of Florida Act, 5B-40.001. FNAI does not track all state-regulated plant species; for a complete list of state-regulated plant species, call Florida Division of Plant Industry, 352-372-3505 or please visit: <http://DOACS.State.FL.US/PI/Images/Rule05b.pdf>

- LE** Listed as Endangered Plants in the Preservation of Native Flora of Florida Act. Defined as species of plants native to the state that are in imminent danger of extinction within the state, the survival of which is unlikely if the causes of a decline in the number of plants continue, and includes all species determined to be endangered or threatened pursuant to the Federal Endangered Species Act of 1973, as amended.
- PE** Proposed by the FDACS for listing as Endangered Plants.
- LT** Listed as Threatened Plants in the Preservation of Native Flora of Florida Act. Defined as species native to the state that are in rapid decline in the number of plants within the state, but which have not so decreased in such number as to cause them to be endangered. LT\* indicates that a species has LT status only in selected portions of its range in Florida.
- PT** Proposed by the FDACS for listing as Threatened Plants.
- N** Not currently listed, nor currently being considered for listing.



1018 Thomasville Road  
Suite 200-C  
Tallahassee, FL 32303  
(850) 224-8207  
(850) 681-9364 Fax  
[www.fnai.org](http://www.fnai.org)

FLORIDA  
*Natural Areas*  
INVENTORY

# Etoniah/Cross Florida Greenway Group A: Full Fee

## Clay, Putnam, Marion, Levy and Citrus Counties Group A: Less-Than-Fee

### Purpose for State Acquisition

Though partially logged and planted in pine, the large expanse of flatwoods, sandhills, and scrub in central Putnam County, extending to the Cross-Florida Greenway along the Ocklawaha River, is important for the survival of many kinds of wildlife and plants. The Greenway itself is a unique strip of land for recreation and conservation that makes a cross-section of the peninsula from the Withlacoochee River to the St. Johns. The Etoniah/Cross Florida Greenway project will conserve the Putnam County land as well as fill in gaps in the Greenway; ensure that wildlife such as Florida black bear and scrub jays and plants such as the Etoniah rosemary will have areas in which to live; and provide recreation for the public ranging from long-distance hiking trails to fishing, camping, and hunting. This project may also help complete the Florida National Scenic Trail, a statewide non-motorized trail that crosses a number of Florida Forever project sites.

### Manager

Division of Forestry (DOF), Florida Department of Agriculture and Consumer Services (Etoniah Creek tract) and Office of Greenways and Trails (OGT), Florida Department Environmental Protection (remaining tracts). DOF will monitor compliance with the terms of any less-than-fee purchase agreement.

### General Description

The project consists of a large tract extending north from the Cross Florida Greenway to Clay County, and four smaller tracts designed to fill in gaps in state ownership along the Cross Florida Greenway. The original Etoniah/Cross Florida Greenway project is important for the survival of black bear in northeast Florida, includes many acres of pine plantation and cut-over flatwoods, but also high-quality sandhill, a unique white-cedar swamp along Deep Creek, and patches of sand pine scrub near Etoniah Creek that harbor at least a dozen rare species including fox squirrel, gopher tortoise, indigo and pine snakes, rare crayfish, and seven rare plants including the only known site for federally listed Etoniah rosemary. The smaller tracts include high-quality floodplain swamps along the Ocklawaha River; mixed forest land near U.S. 441 south of Ocala; and Inglis Island, disturbed pinelands between the old Cross Florida Barge Canal and the Withlacoochee River. Eight archaeological sites are known from the project. The greatest threat to the project area is intensive logging, but the uplands on the large tract are suitable for residential development. The smaller sites would lose their value as connectors if developed for residences.

### Public Use

The Cross Florida Greenway connectors will form part of a conservation and recreation area; the majority of

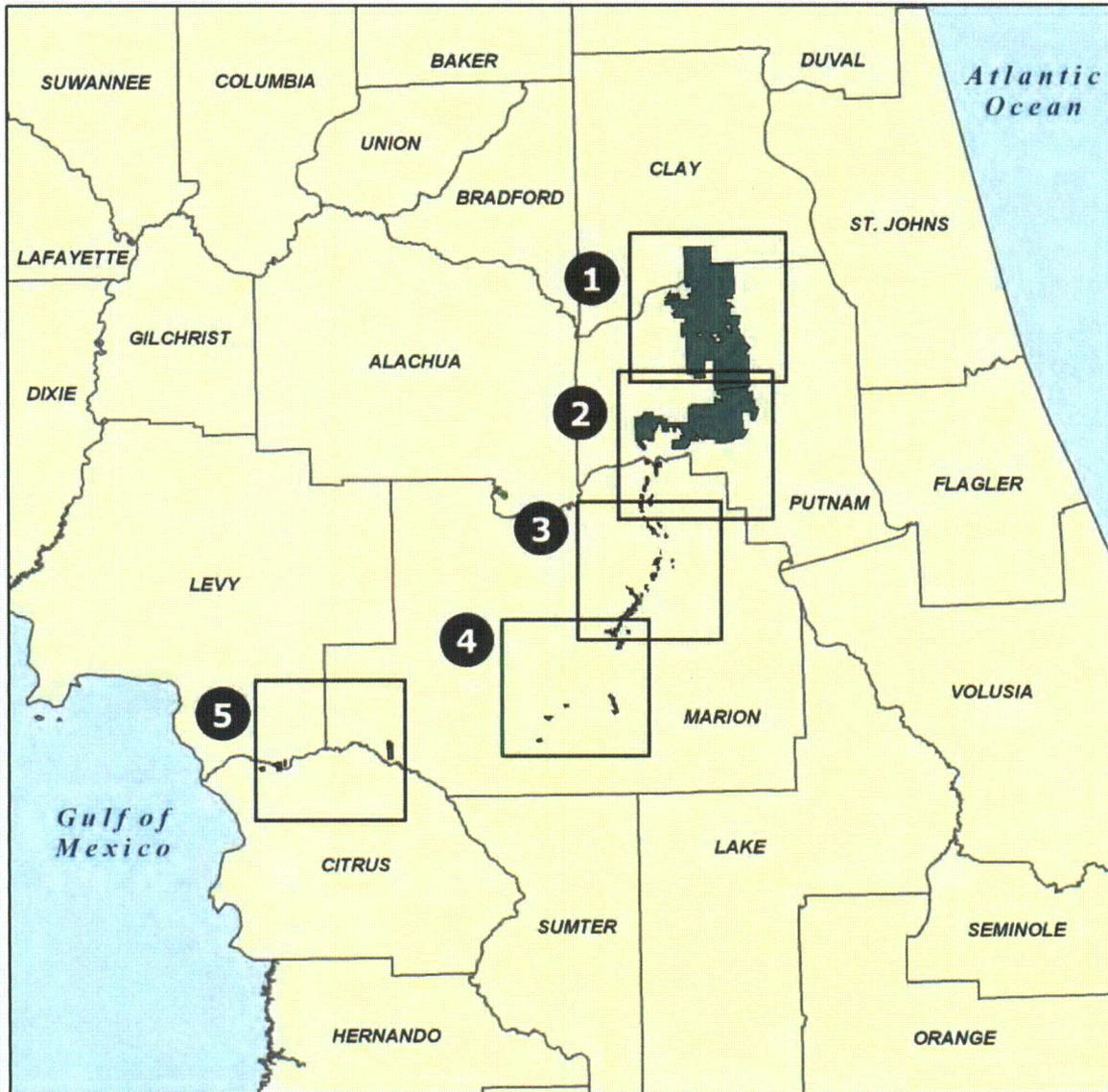
<b>Etoniah/Cross Florida Greenway</b>	
ENAI Elements - July 2009*	
<i>Etonia Rosemary</i>	G1/S1
Florida Scrub-jay	G2/S2
Florida Black Bear	G5T2/S2
Eastern Indigo Snake	G3/S3
Gopher Tortoise	G3/S3
Florida Mouse	G3/S3
Swallow-tailed Kite	G5/S2
<i>Pinkroot</i>	G2Q/S2
<i>Florida Willow</i>	G2/S2
<i>Variable-leaved Indian-plantain</i>	G2/S2
<i>Pinewood Dainties</i>	G4T2/S2
Black Creek Crayfish	G2/S2

31 rare species are associated with the project

<b>Placed on list</b>	<b>1995*</b>
<b>Project Area (Not GIS Acreage)</b>	<b>89,907</b>
<b>Acres Acquired</b>	<b>22,143**</b>
<b>at a Cost of</b>	<b>\$20,256,131**</b>
<b>Acres Remaining</b>	<b>67,764</b>
<b>with Estimated (Tax Assessed) Value of \$174,247,293</b>	

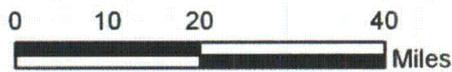
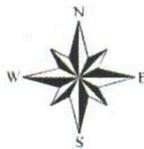
\* Etoniah Creek, Cross Florida Greenways and Cross Florida Greenways Phase II were combined in 1995 to create Etoniah/Cross Florida Greenway. A Less-Than-Fee parcel of approximately 18,406 acres was added to the project in 1997.

\*\* Includes a donation of 43 acres and acreage acquired and funds spent by the SJRWMD on Plum Crk/Rick Co.



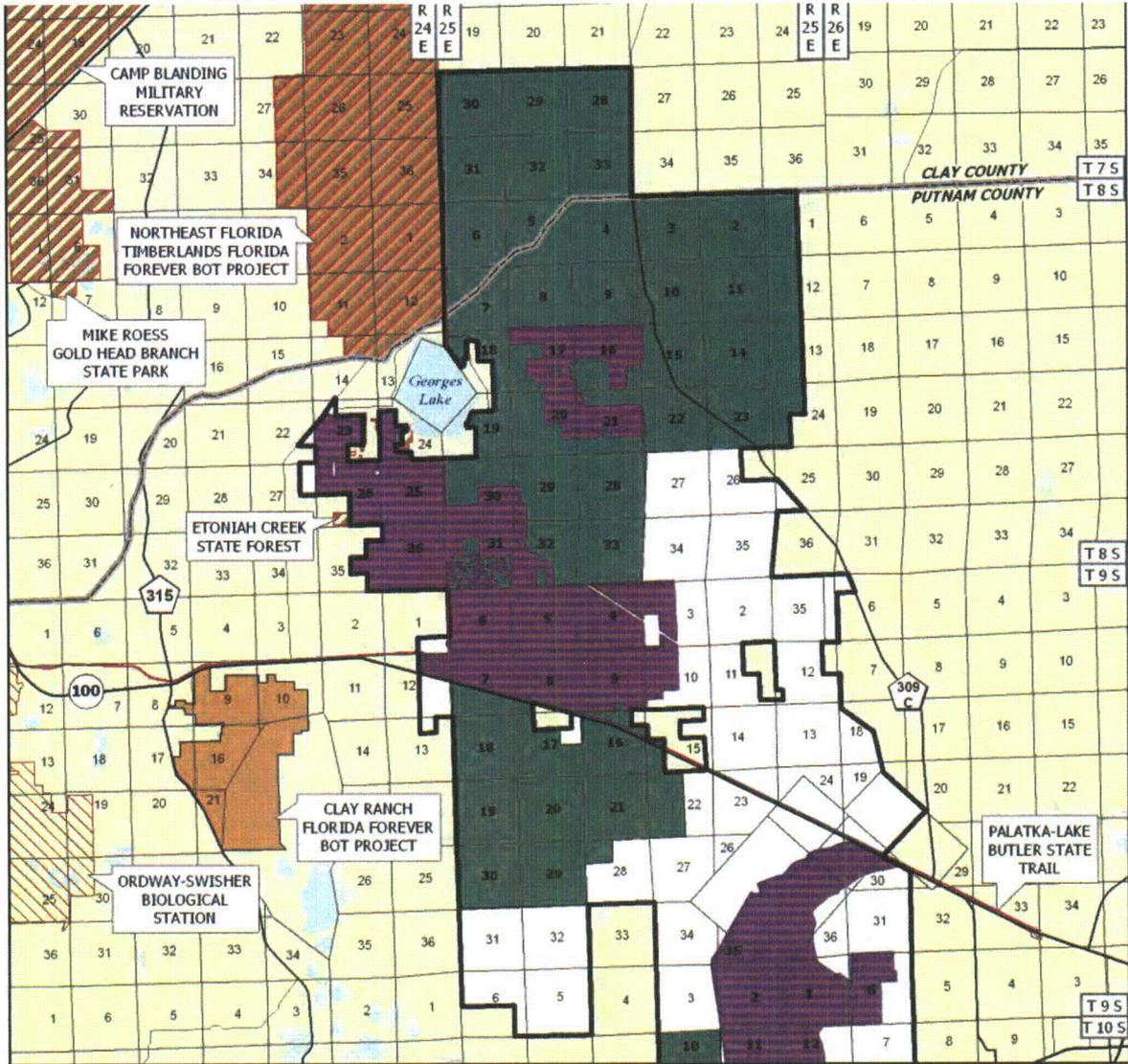
### ETONIAH/CROSS FLORIDA GREENWAY: OVERVIEW

*CLAY, PUTNAM, MARION, LEVY, AND CITRUS COUNTIES*



APRIL 2007

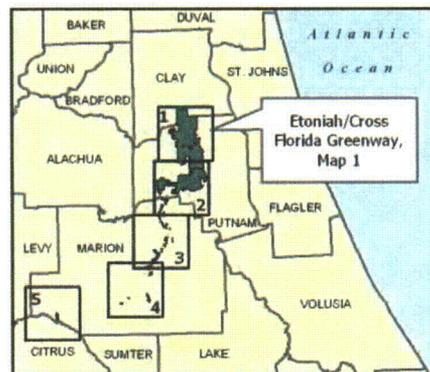
Etoniah/Cross Florida Greenway - Group A/Full Fee Group A/Less-Than-Fee



**ETONIAH/CROSS FLORIDA GREENWAY: MAP 1 OF 5**

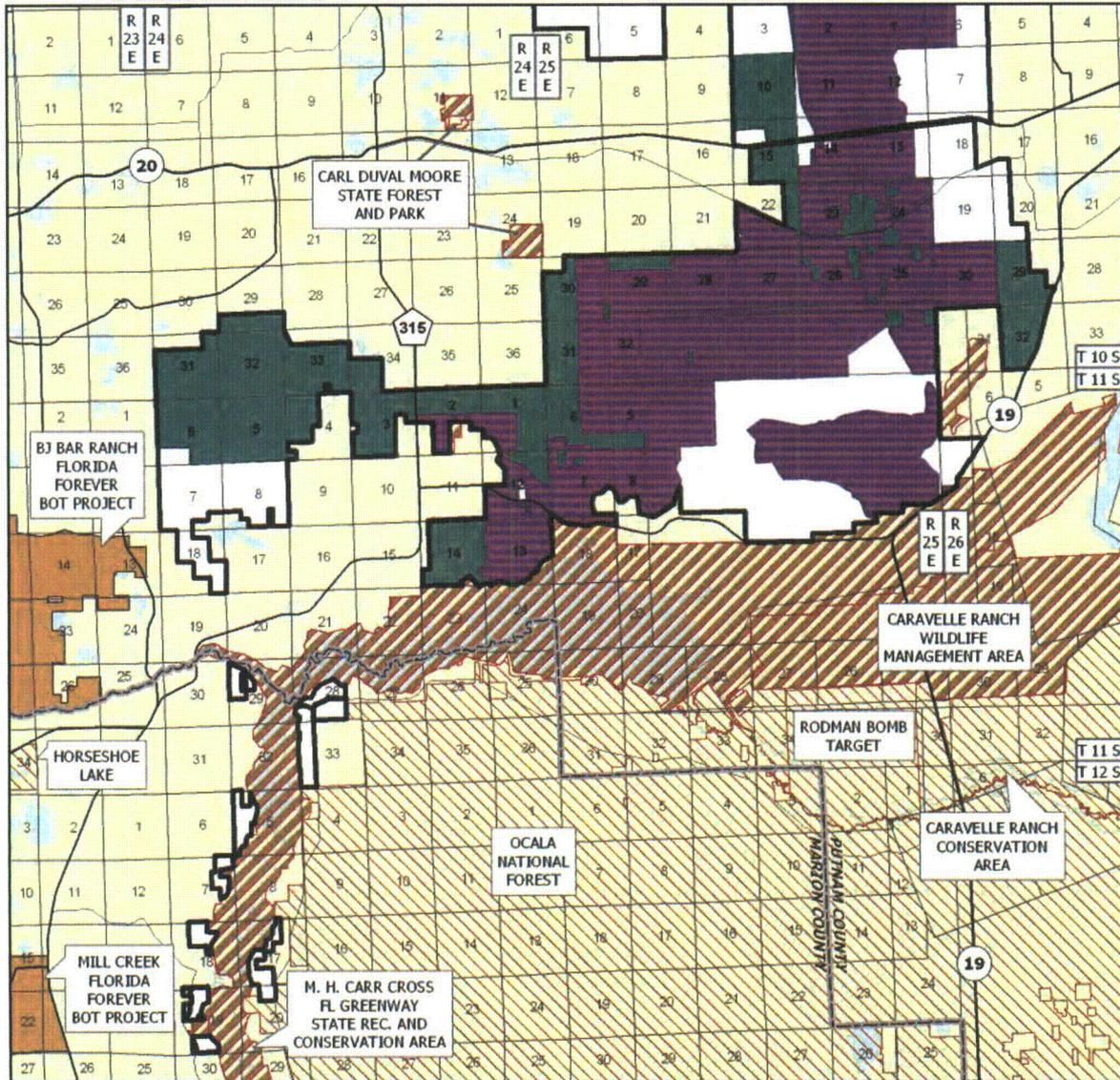
**CLAY AND PUTNAM COUNTIES**

-  Florida Forever BOT Project Boundary
-  Acquired
-  Essential Parcel(s) Remaining
-  Other Florida Forever BOT Projects
-  State Owned Lands
-  Other Conservation Lands



APRIL 2009

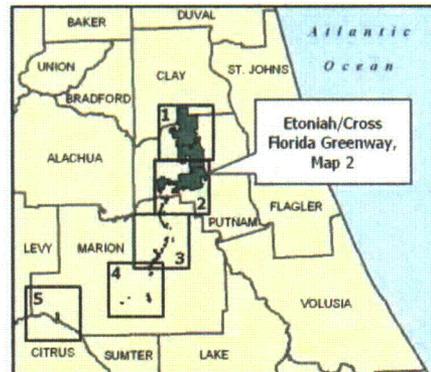
Etoniah/Cross Florida Greenway - Group A/Full Fee Group A/Less-Than-Fee



**ETONIAH/CROSS FLORIDA GREENWAY: MAP 2 OF 5**

**PUTNAM AND MARION COUNTIES**

-  Florida Forever BOT Project Boundary
-  Acquired
-  Essential Parcel(s) Remaining
-  Other Florida Forever BOT Projects
-  State Owned Lands
-  Other Conservation Lands



JULY 2009

## Etoniah/Cross Florida Greenway - Group A/Full Fee Group A/Less-Than-Fee

the large (Etoniah) tract will become a state forest. The various parts of the project will offer opportunities for hiking, hunting, fishing and nature appreciation.

### Acquisition Planning

#### Etoniah Creek

Phase I tracts (essential) include Stokes and Agricola, formerly Deltona (acquired), Union Camp, Manning (acquired) and Interlachen Lake Estates Subdivision. Life-of-the-South (Odom) is also an essential tract. Phase II includes other large ownerships, such as Roberts, as well as other smaller tracts and subdivisions.

#### Cross Florida Greenway

Phase I (essential) includes the westernmost segment (Deep Creek Corridor) consisting of a portion of the Miller family ownerships and approximately 14 other owners.

#### Cross Florida Greenway Phase II

The priority tract (essential) within this portion of the project is the Inglis Island site (acquired by the Office of Greenways and Trails).

On July 20, 1994 the Council added 210 acres to the boundaries of the predecessor projects.

On December 7, 1995, the Council approved the addition of 2,664 acres to the project boundary. The addition included lakeshore and lake bottom associated with Rodman Reservoir. A second modification was made to allow the St. Johns River Water Management District to acquire, on the State's behalf, a large ownership (Odom) not identified in the original Phase I area. Acquisition of the canal easement areas is also a priority.

On March 15, 1996 the Council approved adding 141 acres to the project boundaries.

On December 5, 1996, the Council transferred the Georgia-Pacific ownership (18,146 acres) to the Less-Than-Fee category.

On October 15, 1998, the Council designated as essential an additional 9,870 acres - Georgia-Pacific and seven smaller tracts in a corridor between two already acquired tracts, and portions of the Roberts ownership.

On August 22, 2000, the Acquisition and Restoration Council (ARC) added 2,110 acres (Florida Power ownership along the Cross Florida Greenway State

Recreation and Conservation areas) to the project.

On January 25, 2001, ARC added 1,543 acres to the project (boundary in the Deep Creek area).

On May 17, 2001, ARC added 1,110 acres to the boundaries of the project.

On February 25, 2003 the project was added to the Group A list of Florida Forever projects.

On April 13, 2007, the ARC approved a fee-simple, 85-acre addition, known as Foxtrotter Ranch, to the project boundary. It was sponsored by the Office of Greenways & Trails (OGT), consisted of one landowner, Richard Simon, one parcel, and a taxable value of \$2,267,908. OGT will manage the site. The house (approximately 2.5 acres) is not included in the addition, however, it may be donated to the state subsequent to acquisition.

In June, 2008, some 1.19 acres of the Harrington ownership were purchased for \$15,000 with the Division of Forestry (DOF) Florida Forever funds. Forestry will manage this section.

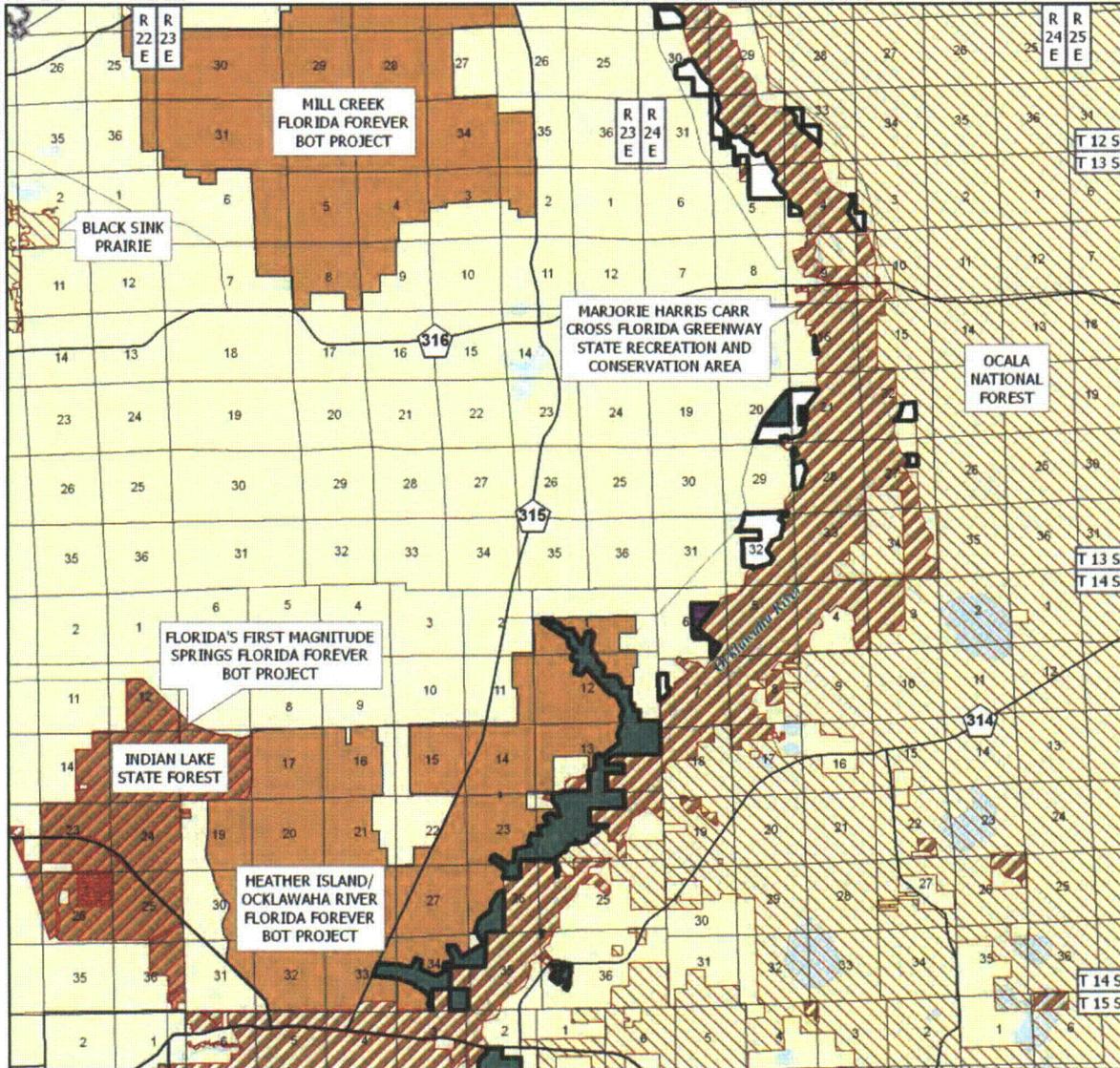
In September, 2008, the DOF used Florida Forever funds to buy the following acreages: 1.08 acres (Fred Yankee, LLC) for \$13,500; 0.87 acres (Godard) for \$23,000; 1.01 acres (Land Reclamation, Inc.) for \$15,000; 2.52 acres (Cann) for \$23,000; 1.21 acres (Martin) for \$14,000; 1.27 acres (Vehoski) for \$14,000; and 1 acre (Murray) for \$15,000. The DOF will manage all of these parcels.

In October, 2008, the DOF used Florida Forever funds to buy 1.25 acres (Uttech) for \$11,500; 2.5 acres (Lachmansingh) for \$25,000; 3.61 acres (Chapman) for \$37,500; and 2.53 acres (Thornton) for \$23,000. The DOF will manage these parcels.

In November, 2008, the DOF used Florida Forever funds to buy 1.27 acres (Dubay) for \$14,000; 1.24 acres (Hood) for \$15,500; 1.25 acres (Contreras) for \$14,000; and 1.24 acres (South) for \$14,000. The DOF will manage these parcels.

January 21, 2009 SJRWMD purchased 208 acres for \$474,363 (Plum Creek/Rick Co.).

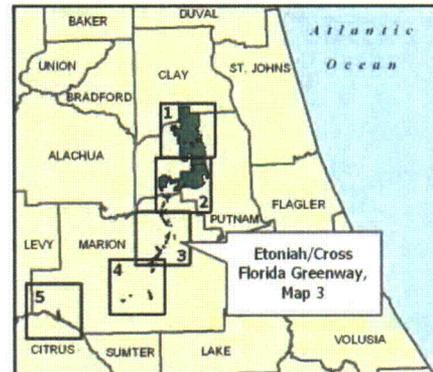
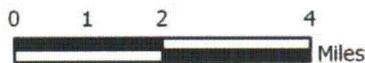
Etoniah/Cross Florida Greenway - Group A/Full Fee Group A/Less-Than-Fee



**ETONIAH/CROSS FLORIDA GREENWAY: MAP 3 OF 5**

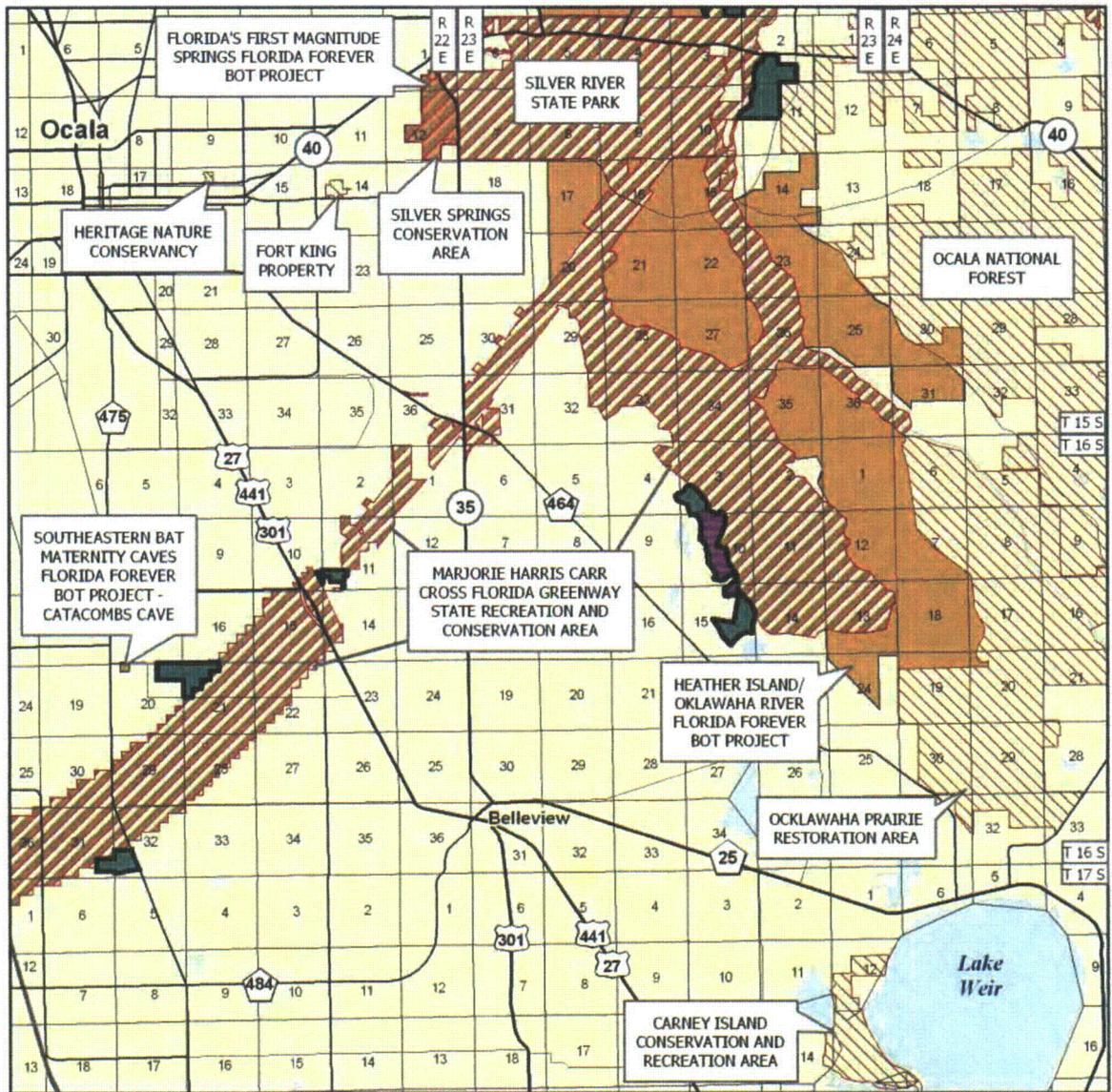
**MARION COUNTY**

-  Florida Forever BOT Boundary
-  Acquired
-  Essential Parcel(s) Remaining
-  Other Florida Forever BOT Projects
-  State Owned Lands
-  Other Conservation Lands



MARCH 2009

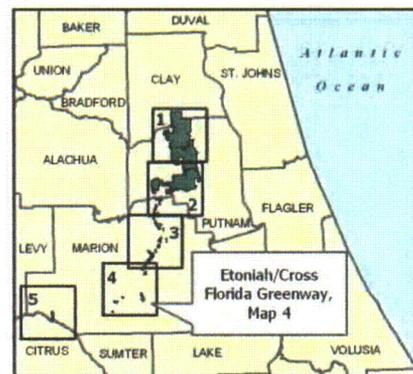
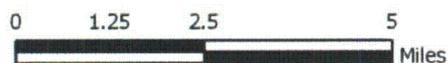
Etoniah/Cross Florida Greenway - Group A/Full Fee Group A/Less-Than-Fee



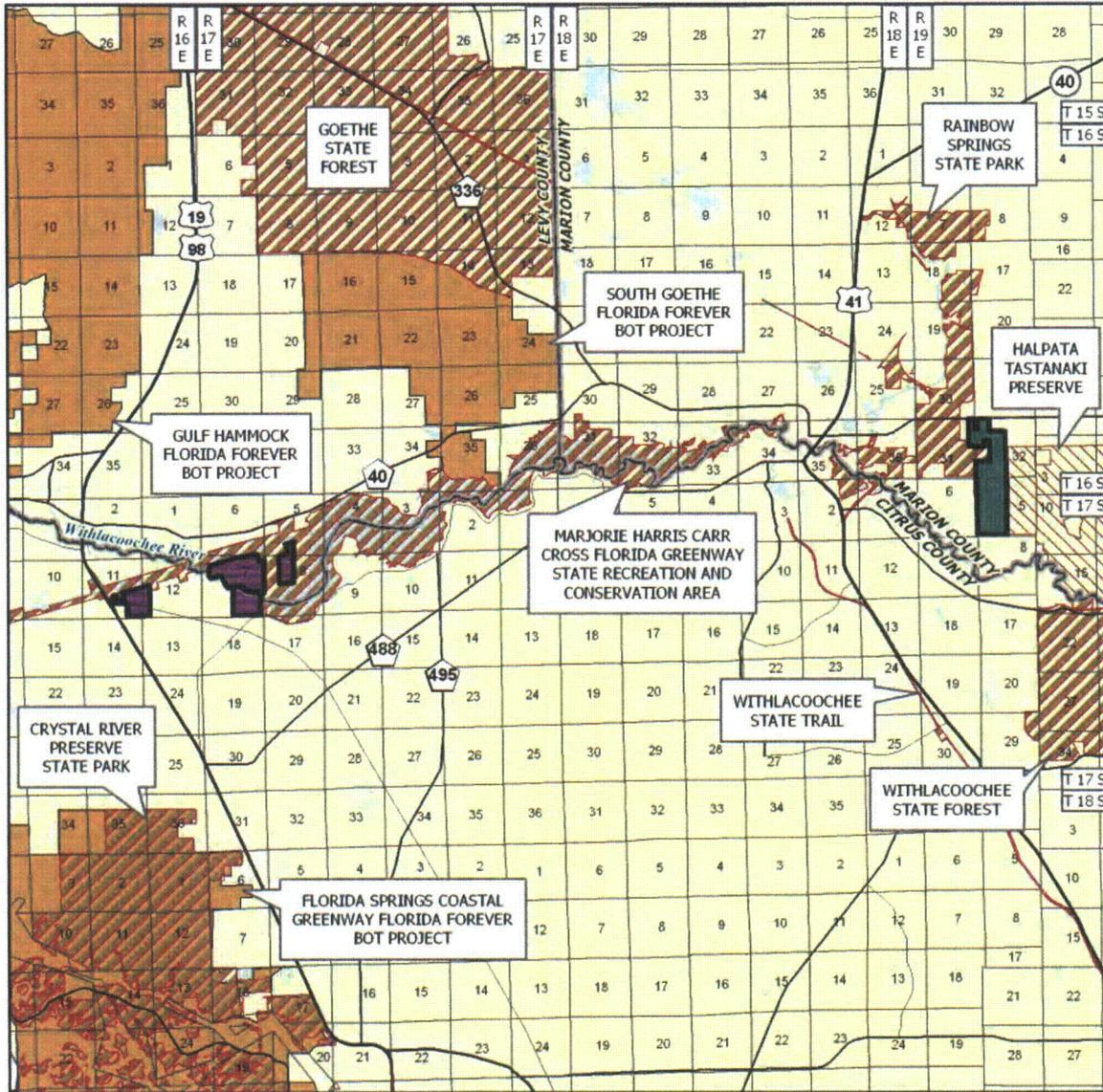
**ETONIAH/CROSS FLORIDA GREENWAY: MAP 4 OF 5**

**MARION COUNTY**

-  Florida Forever BOT Boundary
-  Acquired
-  Essential Parcel(s) Remaining
-  Other Florida Forever BOT Projects
-  State Owned Lands
-  Other Conservation Lands



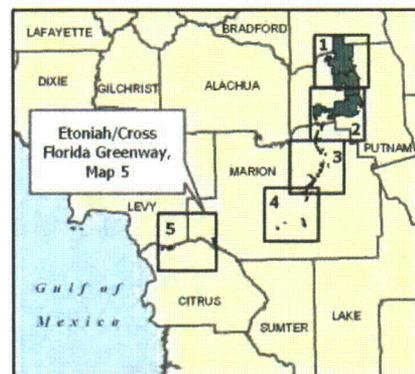
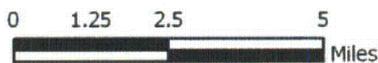
APRIL 2007



**ETONIAH/CROSS FLORIDA GREENWAY: MAP 5 OF 5**

**MARION, LEVY, AND CITRUS COUNTIES**

-  Florida Forever BOT Boundary
-  Acquired
-  Essential Parcel(s) Remaining
-  Other Florida Forever BOT Projects
-  State Owned Lands
-  Other Conservation Lands



JANUARY 2007

## Etoniah/Cross Florida Greenway - Group A/Full Fee Group A/Less-Than-Fee

### Coordination

The SJRWMD was the intermediary in the acquisition of the Manning tract and has provided information and expertise on several other tracts. The Office of Greenways and Trails used additions and inholding funds to acquire Inglis Island. The Division of State Lands will assume the lead on acquisition of the remaining tracts.

### Management Policy Statement

The primary goals of management of the Etoniah/Cross Florida Greenway project are: to conserve and protect environmentally unique and irreplaceable lands that contain native, relatively unaltered flora and fauna representing a natural area unique to, or scarce within, a region of this state or a larger geographic area; to conserve and protect significant habitat for native species or endangered and threatened species; to conserve, protect, manage, or restore important ecosystems, landscapes, and forests, in order to enhance or protect significant surface water, coastal, recreational, timber, fish or wildlife resources which local or state regulatory programs cannot adequately protect; and to provide areas, including recreational trails, for natural-resource-based recreation.

### Management Prospectus

**Qualifications for state designation** The large size, restorable pine plantations, and diversity of the Etoniah Creek portion of this project make it highly desirable for management as a state forest. The Cross Florida Greenway State Recreation and Conservation Area includes scenic and historic rivers, lakes, wetlands, and uplands. It is also near, or contiguous with, many other state-owned lands. The Cross Florida Greenway portion of this project, together with the lands already in the Greenway, has the configuration, location, and resources to qualify as a state recreation area.

**Manager** The DOF proposes to manage the 57,000-acre Etoniah Creek portion of the project and the OGT will manage the remaining lands in the vicinity of the old Cross Florida Barge Canal.

**Conditions affecting intensity of management** There are no known major disturbances in the Etoniah Creek portion that will require extraordinary attention, so management intensity is expected to be typical for a state forest. Lands in the Cross Florida Greenway portion are generally moderate-need tracts.

**Timetable for implementing management and provisions for security and protection of infrastructure** Once the core area of the Etoniah Creek portion is

acquired, the DOF will provide access to the public for low-intensity, non-facilities-related outdoor recreation. Initial activities will include securing the tract, providing public and fire management accesses, inventorying resources, and removing trash. The Division will provide access to the public while protecting sensitive resources. The tract's natural resources and threatened and endangered plants and animals will be inventoried to provide the basis for a management plan.

Long-range plans for the Etoniah Creek portion will generally be directed toward restoring disturbed areas to their original conditions, as far as possible, as well as protecting threatened and endangered species. An all-season burning program will use, whenever possible, existing roads, black lines, foam lines and natural breaks to contain fires. Timber management will mostly involve improvement thinning and regeneration harvests. Plantations will be thinned and, where appropriate, reforested with species found in natural ecosystems. Stands will not have a targeted rotation age. Infrastructure will primarily be located in disturbed areas and will be the minimum required for management and public access. The Division will promote environmental education. For the Greenway portion, activities within the first year after acquisition will primarily consist of site security, resource inventory, removal of trash, and resource-management planning. Long-range activities proposed include a multipurpose trail and facilities for public access.

**Revenue-generating potential** In the Etoniah Creek portion, the DOF sell timber as needed to improve or maintain desirable ecosystem conditions. These sales will provide a variable source of revenue, but the revenue-generating potential for this project is expected to be moderate. In the Greenway portion, no revenues are expected to be generated within the first three years after acquisition. However, as the Greenway is developed during its 20-year facility development plan, revenues will be derived from user fees, the sale of products from the lands (limerock berm and timber), and the sale of surplus lands.

**Cooperators in management activities** The DOF will cooperate with and seek the assistance of other state agencies, local government entities and interested parties as appropriate. Currently, properties along the Greenway are managed in partnership with Marion County, the Florida Game and Fresh Water Fish Commission, and private individuals for recreational purposes.

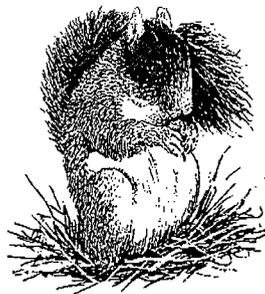
Etoniah/Cross Florida Greenway - Group A/Full Fee    Group A/Less-Than-Fee

Full Fee:  
Management Cost Summary/OGT

Category Source of Funds	Startup LATF	Recurring LATF
Salary	\$36,380	\$36,380
OPS	\$72,660	\$72,660
Expense	\$62,301	\$46,362
OCO	\$3,167	\$0
FCO	\$100,000	\$0
<b>TOTAL</b>	<b>\$274,508</b>	<b>\$185,402</b>

Management Cost Summary/DOF

Category Source of Funds	1996/97 CARL	1997/98 CARL	1998/99 CARL
Salary	\$45,337	\$56,489	\$58,183.67
OPS	\$0	\$3,000	\$7,650.00
Expense	\$11,225	\$22,825	\$58,203.75
OCO	\$43,320	\$50,500	\$128,775.00
FCO	\$0	\$0	\$0
<b>TOTAL</b>	<b>\$99,882</b>	<b>\$132,814</b>	<b>\$252,812.42</b>





Technical Assistance Provided by:

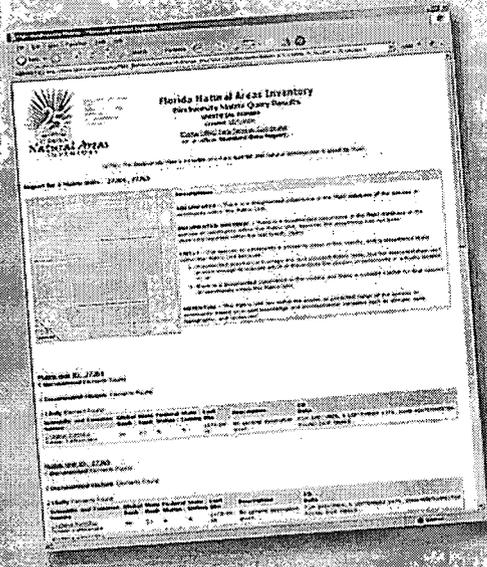


FOR IMMEDIATE RELEASE

## FNAI's Biodiversity Matrix Online



The Biodiversity Matrix Map Server is a new **screening tool** from FNAI that provides **immediate, free access** to rare species occurrence information statewide. This tool allows you to zoom to your site of interest and create a report listing documented, likely, and potential occurrences of rare species and natural communities.



The FNAI Biodiversity Matrix offers **built-in interpretation** of the likelihood of species occurrence for each 1-square-mile Matrix Unit across the state. The report includes a site map and list of species and natural communities by occurrence status: Documented, Documented-Historic, Likely, and Potential.

Try it today:

[www.fnai.org/biointro.cfm](http://www.fnai.org/biointro.cfm)

Please note: FNAI will continue to offer our Standard Data Report service as always. The Standard Data Report offers the most comprehensive information available on rare species, natural communities, conservation lands, and other natural resources.

[www.fnai.org](http://www.fnai.org)

**COMMON ROUTE FROM CR40 SOUTH TO CITRUS  
TRANSMISSION LINE WETLAND IMPACT ANALYSIS  
FIGURES**

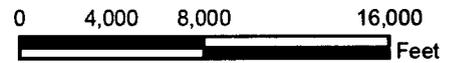


**LEVY  
COUNTY**

**CRYSTAL RIVER  
ENERGY COMPLEX**

**PROPOSED  
CITRUS SUBSTATION**

**CITRUS  
COUNTY**



SCALE	AS SHOWN
DATE	2/19/2010
DESIGN	KAB
GIS	NRL

**COMMON ROUTE FORM CR40 SOUTH TO CITRUS  
TRANSMISSION LINE WETLAND IMPACT ANALYSIS**

FILE No.	09389547Z009
PROJECT No.	093-89547

CHECK	SR
REVIEW	KAB

PROGRESS ENERGY FLORIDA  
LEVY BASELOAD PROJECT

FIGURE  
**Cover Sheet**

Map Document: 09389547Z009\_Rev1\_CC\_CoverSheet.mxd / Modified 2/17/2010 4:51:30 PM / Plotted 2/19/2010 10:03:27 AM by ramar



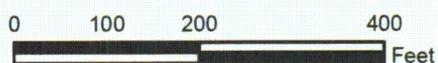
Map Document: 09389547Z005\_Rev1\_CC.mxd / Modified 2/17/2010 3:43:43 PM / Plotted 2/19/2010 9:59:16 AM by flamar

**LEGEND**

- Common Route Right-of-Way
- Common Route Pad Locations
- Structure Pad Wetland Fill Impacts
- Access Road Wetland Impact Areas
- Common Route Access Roads
- Forested Wetland Clearing Impacts
- Surveyed Wetland Boundaries
- Substation Property

**REFERENCES**

1. Wetland boundaries, MACTEC, 2010.
2. Wetland impacts, Golder Associates Inc., 2010.
3. Pad Locations, Access Roads, Patrick Engineering, 2010.



**NOTES**  
See wetland survey for acreage of wetlands.  
For impact acreages see attached tables.

<p><b>Golder Associates</b> Gainesville, Florida</p>	SCALE AS SHOWN	<p><b>COMMON ROUTE FROM CR40 SOUTH TO CITRUS (CC) TRANSMISSION LINE WETLAND IMPACT ANALYSIS</b></p>
	DATE 2/19/2010	
DESIGN KAB		
GIS NRL		
CHECK SR		
FILE No. 09389547Z005	REVIEW KAB	<p>PROGRESS ENERGY FLORIDA LEVY BASELOAD PROJECT</p>
PROJECT No. 093-89547	REV. 1	<p>FIGURE <b>1 of 16</b></p>



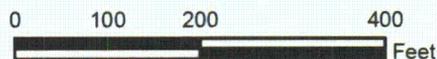
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### LEGEND

- |                                    |                                   |
|------------------------------------|-----------------------------------|
| Common Route Right-of-Way          | Forested Wetland Clearing Impacts |
| Common Route Pad Locations         | Surveyed Wetland Boundaries       |
| Structure Pad Wetland Fill Impacts | Substation Property               |
| Access Road Wetland Impact Areas   |                                   |
| Common Route Access Roads          |                                   |

### REFERENCES

1. Wetland boundaries, MACTEC, 2010.
2. Wetland impacts, Golder Associates Inc., 2010.
3. Pad Locations, Access Roads, Patrick Engineering, 2010.



### NOTES

See wetland survey for acreage of wetlands.  
For impact acreages see attached tables.



SCALE	AS SHOWN
DATE	2/19/2010
DESIGN	KAB
GIS	NRL

## COMMON ROUTE FROM CR40 SOUTH TO CITRUS (CC) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

FILE No.	09389547Z005
PROJECT No.	093-89547

CHECK	SR
REVIEW	KAB

REV. 1

PROGRESS ENERGY FLORIDA  
LEVY BASELOAD PROJECT

FIGURE **2 of 16**

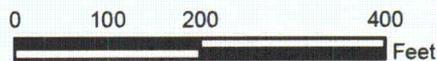


### LEGEND

- |                                    |                                   |
|------------------------------------|-----------------------------------|
| Common Route Right-of-Way          | Forested Wetland Clearing Impacts |
| Common Route Pad Locations         | Surveyed Wetland Boundaries       |
| Structure Pad Wetland Fill Impacts | Substation Property               |
| Access Road Wetland Impact Areas   |                                   |
| Common Route Access Roads          |                                   |

### REFERENCES

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2. Wetland impacts, Golder Associates Inc., 2010.
3. Pad Locations, Access Roads, Patrick Engineering, 2010.



### NOTES

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For impact acreages see attached tables.

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DESIGN	KAB
GIS	NRL

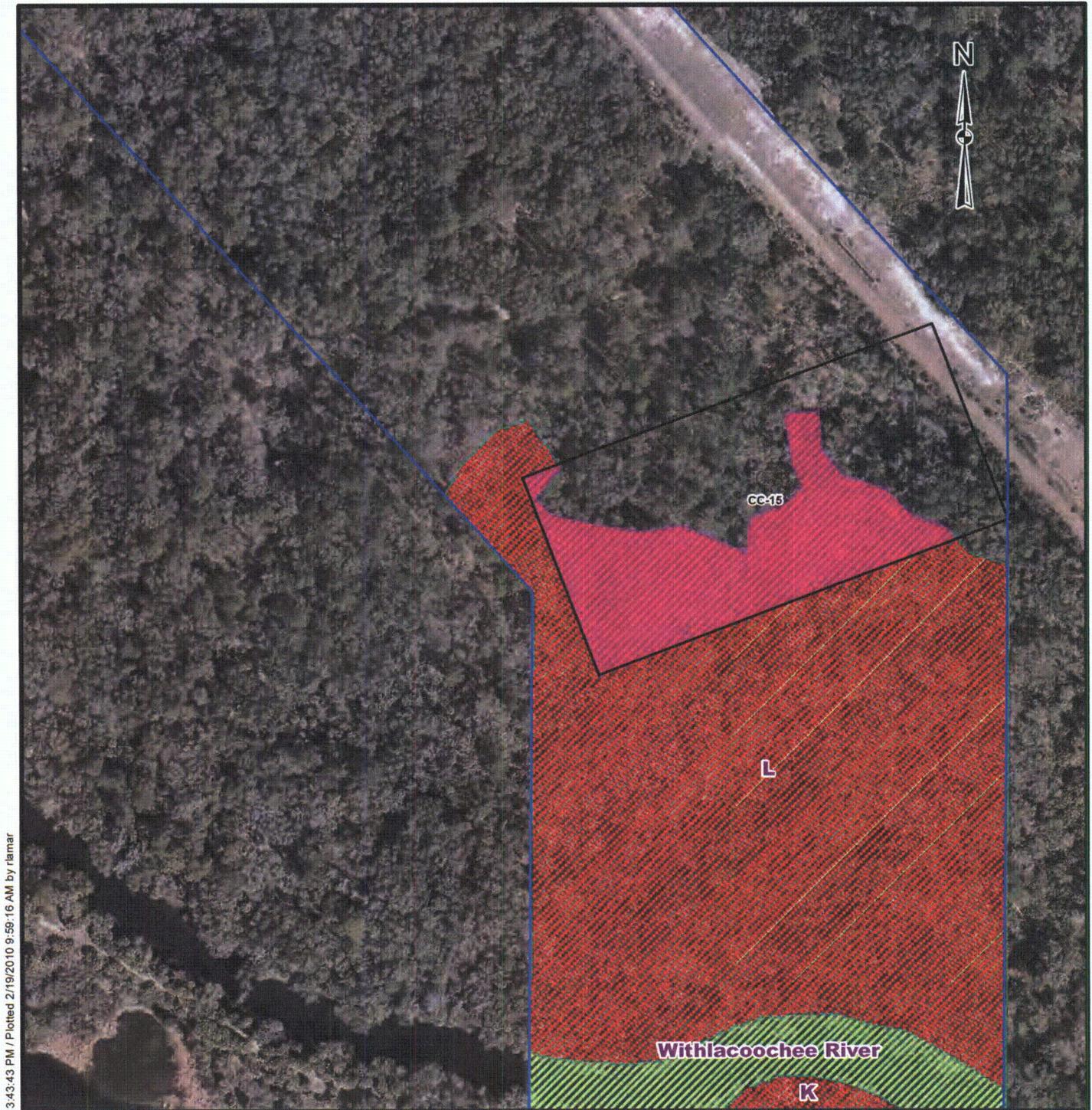
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FILE No.	09389547Z005
PROJECT No.	093-89547

CHECK	SR
REVIEW	KAB

PROGRESS ENERGY FLORIDA  
LEVY BASELOAD PROJECT

FIGURE **3 of 16**

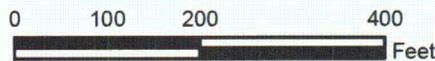


### LEGEND

- Common Route Right-of-Way
- Common Route Pad Locations
- Structure Pad Wetland Fill Impacts
- Access Road Wetland Impact Areas
- Common Route Access Roads
- Forested Wetland Clearing Impacts
- Surveyed Wetland Boundaries
- Substation Property

### REFERENCES

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2. Wetland impacts, Golder Associates Inc., 2010.
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### NOTES

See wetland survey for acreage of wetlands.  
For impact acreages see attached tables.



SCALE	AS SHOWN
DATE	2/19/2010
DESIGN	KAB
GIS	NRL
CHECK	SR
REVIEW	KAB

## COMMON ROUTE FROM CR40 SOUTH TO CITRUS (CC) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

FILE No.	09389547Z005
PROJECT No.	093-89547 REV. 1

PROGRESS ENERGY FLORIDA  
LEVY BASELOAD PROJECT

FIGURE **4 of 16**



### LEGEND

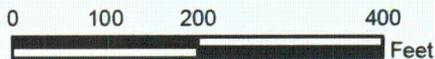
- Common Route Right-of-Way
- Structure Pad Wetland Fill Impacts
- Access Road Wetland Impact Areas
- Forested Wetland Clearing Impacts
- Surveyed Wetland Boundaries
- Substation Property
- Common Route Access Roads

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### NOTES

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For impact acreages see attached tables.



SCALE	AS SHOWN
DATE	2/19/2010
DESIGN	KAB
GIS	NRL

## COMMON ROUTE FROM CR40 SOUTH TO CITRUS (CC) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

FILE No. 09389547Z005

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PROJECT No. 093-89547 REV. 1

REVIEW KAB

PROGRESS ENERGY FLORIDA  
LEVY BASELOAD PROJECT

FIGURE **5 of 16**



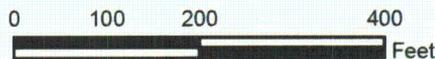
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### LEGEND

- Common Route Right-of-Way
- Common Route Pad Locations
- Structure Pad Wetland Fill Impacts
- Access Road Wetland Impact Areas
- Common Route Access Roads
- Forested Wetland Clearing Impacts
- Surveyed Wetland Boundaries
- Substation Property

### REFERENCES

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3. Pad Locations, Access Roads, Patrick Engineering, 2010.



### NOTES

See wetland survey for acreage of wetlands.  
For impact acreages see attached tables.



SCALE	AS SHOWN
DATE	2/19/2010
DESIGN	KAB
GIS	NRL

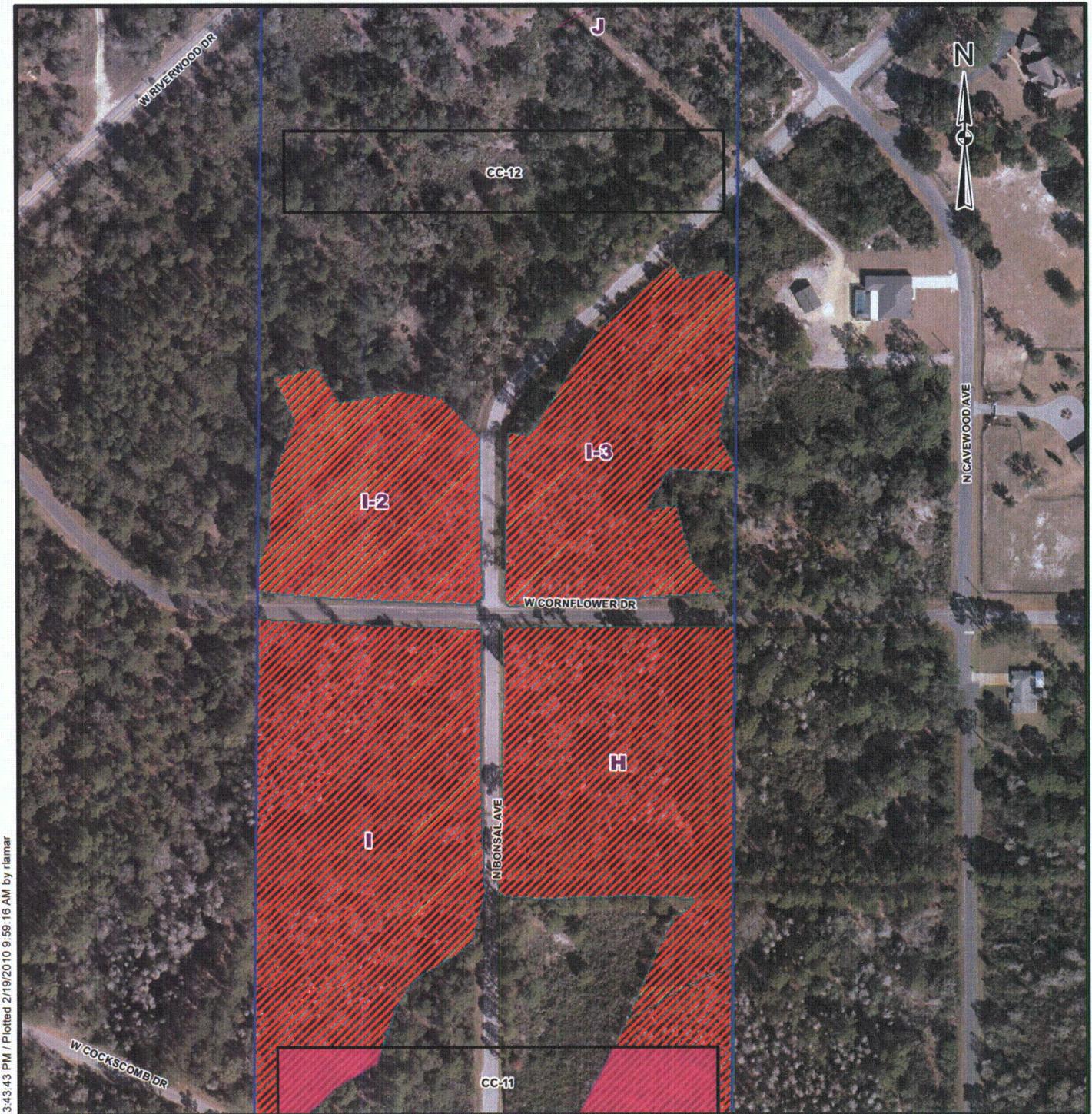
## COMMON ROUTE FROM CR40 SOUTH TO CITRUS (CC) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

FILE No.	09389547Z005
PROJECT No.	093-89547

CHECK	SR
REVIEW	KAB

PROGRESS ENERGY FLORIDA  
LEVY BASELOAD PROJECT

FIGURE  
**6 of 16**



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**LEGEND**

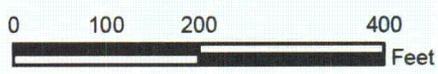
- Common Route Right-of-Way
- Common Route Pad Locations
- Structure Pad Wetland Fill Impacts
- Access Road Wetland Impact Areas
- Common Route Access Roads
- Forested Wetland Clearing Impacts
- Surveyed Wetland Boundaries
- Substation Property

**REFERENCES**

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2. Wetland impacts, Golder Associates Inc., 2010.
3. Pad Locations, Access Roads, Patrick Engineering, 2010.

**NOTES**

See wetland survey for acreage of wetlands. For impact acreages see attached tables.



**Golder Associates**  
Gainesville, Florida

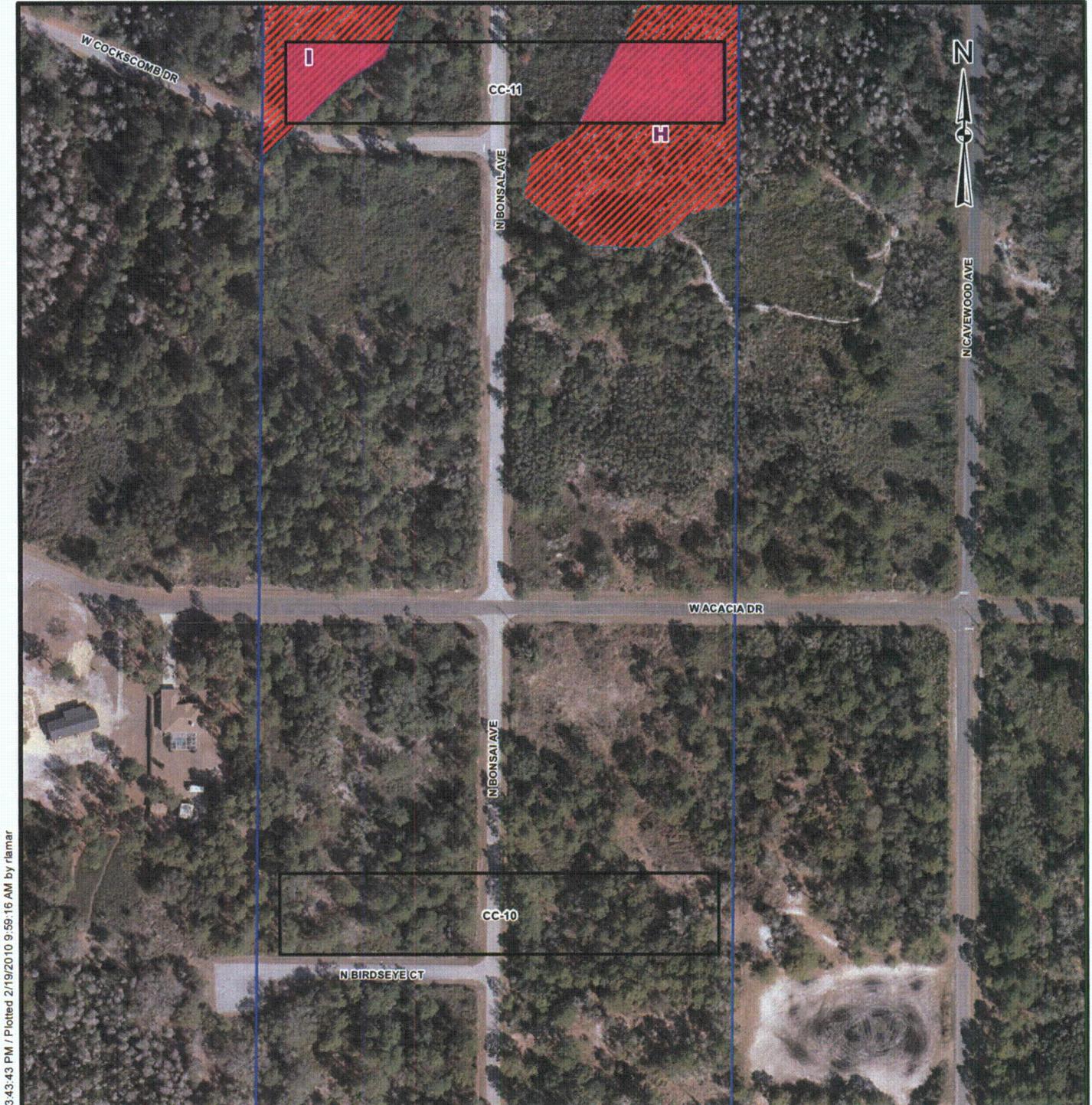
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PROJECT No. 093-89547 REV. 1

SCALE	AS SHOWN
DATE	2/19/2010
DESIGN	KAB
GIS	NRL
CHECK	SR
REVIEW	KAB

**COMMON ROUTE FROM CR40 SOUTH TO CITRUS (CC) TRANSMISSION LINE WETLAND IMPACT ANALYSIS**

PROGRESS ENERGY FLORIDA  
LEVY BASELOAD PROJECT

FIGURE **7 of 16**



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### LEGEND

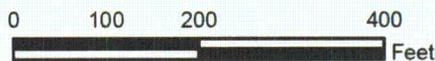
- Common Route Right-of-Way
- Common Route Pad Locations
- Structure Pad Wetland Fill Impacts
- Access Road Wetland Impact Areas
- Common Route Access Roads
- Forested Wetland Clearing Impacts
- Surveyed Wetland Boundaries
- Substation Property

### REFERENCES

1. Wetland boundaries, MACTEC, 2010.
2. Wetland impacts, Golder Associates Inc., 2010.
3. Pad Locations, Access Roads, Patrick Engineering, 2010.

### NOTES

See wetland survey for acreage of wetlands.  
For impact acreages see attached tables.



SCALE	AS SHOWN
DATE	2/19/2010
DESIGN	KAB
GIS	NRL

## COMMON ROUTE FROM CR40 SOUTH TO CITRUS (CC) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

FILE No.	09389547Z005
PROJECT No.	093-89547
REV.	1

CHECK	SR
REVIEW	KAB

PROGRESS ENERGY FLORIDA  
LEVY BASELOAD PROJECT

FIGURE **8 of 16**



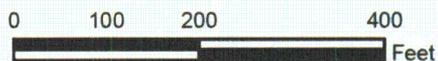
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### LEGEND

- |  |   |
|--|---|
|  Common Route Right-of-Way          |  Forested Wetland Clearing Impacts |
|  Common Route Pad Locations         |  Surveyed Wetland Boundaries       |
|  Structure Pad Wetland Fill Impacts |  Substation Property               |
|  Access Road Wetland Impact Areas   |   |
|  Common Route Access Roads          |   |

### REFERENCES

1. Wetland boundaries, MACTEC, 2010.
2. Wetland impacts, Golder Associates Inc., 2010.
3. Pad Locations, Access Roads, Patrick Engineering, 2010.



### NOTES

See wetland survey for acreage of wetlands.  
For impact acreages see attached tables.



SCALE	AS SHOWN
DATE	2/19/2010
DESIGN	KAB
GIS	NRL
CHECK	SR
REVIEW	KAB

FILE No.	09389547Z005	
PROJECT No.	093-89547	REV. 1

## COMMON ROUTE FROM CR40 SOUTH TO CITRUS (CC) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

PROGRESS ENERGY FLORIDA  
LEVY BASELOAD PROJECT

FIGURE **9 of 16**



**LEGEND**

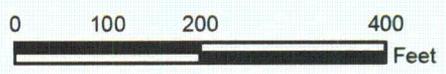
- Common Route Right-of-Way
- Common Route Pad Locations
- Structure Pad Wetland Fill Impacts
- Access Road Wetland Impact Areas
- Common Route Access Roads
- Forested Wetland Clearing Impacts
- Surveyed Wetland Boundaries
- Substation Property

**REFERENCES**

1. Wetland boundaries, MACTEC, 2010.
2. Wetland impacts, Golder Associates Inc., 2010.
3. Pad Locations, Access Roads, Patrick Engineering, 2010.

**NOTES**

See wetland survey for acreage of wetlands.  
For impact acreages see attached tables.



SCALE	AS SHOWN
DATE	2/19/2010
DESIGN	KAB
GIS	NRL
CHECK	SR
REVIEW	KAB

**COMMON ROUTE FROM CR40 SOUTH TO CITRUS (CC) TRANSMISSION LINE WETLAND IMPACT ANALYSIS**

FILE No.	09389547Z005
PROJECT No.	093-89547
REV.	1

PROGRESS ENERGY FLORIDA  
LEVY BASELOAD PROJECT

FIGURE **10 of 16**

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### LEGEND

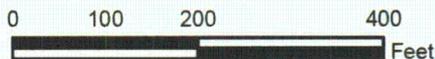
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- Common Route Pad Locations
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- Common Route Access Roads
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### REFERENCES

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3. Pad Locations, Access Roads, Patrick Engineering, 2010.

### NOTES

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**Golder Associates**  
Gainesville, Florida

FILE No. 09389547Z005

PROJECT No. 093-89547 REV. 1

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**COMMON ROUTE FROM CR40 SOUTH TO CITRUS (CC)  
TRANSMISSION LINE WETLAND IMPACT ANALYSIS**

PROGRESS ENERGY FLORIDA  
LEVY BASELOAD PROJECT

FIGURE **11 of 16**

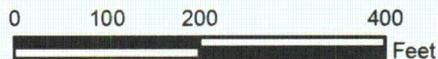


### LEGEND

- Common Route Right-of-Way
- Common Route Pad Locations
- Structure Pad Wetland Fill Impacts
- Access Road Wetland Impact Areas
- Common Route Access Roads
- Forested Wetland Clearing Impacts
- Surveyed Wetland Boundaries
- Substation Property

### REFERENCES

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2. Wetland impacts, Golder Associates Inc., 2010.
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## COMMON ROUTE FROM CR40 SOUTH TO CITRUS (CC) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

FILE No.	09389547Z005	
PROJECT No.	093-89547	REV. 1

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FIGURE **12 of 16**

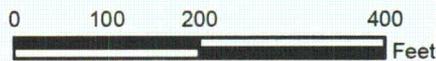


### LEGEND

-  Common Route Right-of-Way
-  Common Route Pad Locations
-  Structure Pad Wetland Fill Impacts
-  Access Road Wetland Impact Areas
-  Common Route Access Roads
-  Forested Wetland Clearing Impacts
-  Surveyed Wetland Boundaries
-  Substation Property

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2. Wetland impacts, Golder Associates Inc., 2010.
3. Pad Locations, Access Roads, Patrick Engineering, 2010.



### NOTES

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## COMMON ROUTE FROM CR40 SOUTH TO CITRUS (CC) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

FILE No.	09389547Z005
PROJECT No.	093-89547

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REVIEW	KAB

PROGRESS ENERGY FLORIDA  
LEVY BASELOAD PROJECT

FIGURE **13 of 16**



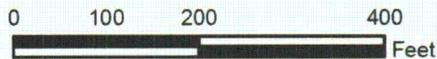
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### LEGEND

- Common Route Right-of-Way
- Common Route Pad Locations
- Access Road Wetland Impact Areas
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- Substation Property
- Common Route Access Roads
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### NOTES

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FIGURE **14 of 16**

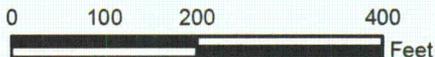


### LEGEND

- Common Route Right-of-Way
- Common Route Pad Locations
- Structure Pad Wetland Fill Impacts
- Access Road Wetland Impact Areas
- Common Route Access Roads
- Forested Wetland Clearing Impacts
- Surveyed Wetland Boundaries
- Substation Property

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### NOTES

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For impact acreages see attached tables.



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## COMMON ROUTE FROM CR40 SOUTH TO CITRUS (CC) TRANSMISSION LINE WETLAND IMPACT ANALYSIS

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LEVY BASELOAD PROJECT

FIGURE **15 of 16**

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CC-01

Citrus Substation

### LEGEND

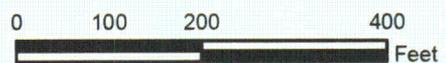
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2. Wetland impacts, Golder Associates Inc., 2010.
3. Pad Locations, Access Roads, Patrick Engineering, 2010.

### NOTES

See wetland survey for acreage of wetlands.  
For impact acreages see attached tables.



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FILE No.	09389547Z005	
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PROGRESS ENERGY FLORIDA  
LEVY BASELOAD PROJECT

FIGURE **16 of 16**

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**COMMON ROUTE FROM CR40 SOUTH TO CITRUS  
TRANSMISSION LINE WETLAND IMPACT ANALYSIS  
TABLES**

**Progress Energy Florida  
Levy Baseload Project  
Common Route Pads Wetland Impacts**

Structure ID	Wetland ID	FLUCFCS Code	FLUCFCS Definition	Impact Acreage	Total Impact Acreage	UMAM	Mitigation Credits	Total Mitigation Credits
CC-04B	B	520	Lakes	0.29	0.29	0.40	0.12	0.12
CC-06	C	641	Freshwater Marshes	0.56	0.56	0.67	0.38	0.38
CC-08	D	641	Freshwater Marshes	0.27	0.39	0.80	0.22	0.32
	E	641	Freshwater Marshes	0.12		0.80	0.10	
CC-11	I	630	Wetland Forested Mixed	0.22	0.69	0.80	0.18	0.56
	H	621	Cypress	0.47		0.80	0.38	
CC-14	K	630	Wetland Forested Mixed	1.65	1.65	0.87	1.44	1.44
CC-15	L	630	Wetland Forested Mixed	1.91	1.91	0.87	1.66	1.66
Total					5.49			4.48

**Progress Energy Florida  
Levy Baseload Project  
Common Route Access Roads Wetland Impacts**

<b>Access Road ID</b>	<b>Wetland ID</b>	<b>FLUCFCS Code</b>	<b>FLUCFCS Definition</b>	<b>Impact Acreage</b>	<b>Total Impact Acreage</b>	<b>UMAM</b>	<b>Mitigation Credits</b>	<b>Total Mitigation Credits</b>
CC-Rd-1	K	630	Wetland Forested Mixed	0.16	0.16	0.87	0.14	0.14
Total					0.16			0.14

**Progress Energy Florida  
Levy Baseload Project  
Common Route from CR40 South to Citrus Right-of-Way Forested Wetland Clearing Impacts**

Wetland ID	FLUCFCS Code	FLUCFCS Definition	Clearing Impact Acreage	Total Clearing Impact Acreage	UMAM	Functional Loss / Acre (UMAM)	Mitigation Credits	Total Mitigation Credits
A	630	Wetland Forested Mixed	0.19	0.19	0.73	0.40	0.08	0.08
H	630	Wetland Forested Mixed	3.18	4.49	0.80	0.40	1.27	1.79
	621	Cypress	1.31		0.80	0.40	0.52	
I	630	Wetland Forested Mixed	4.14	4.14	0.80	0.40	1.66	1.66
I-2	630	Wetland Forested Mixed	1.96	1.96	0.80	0.40	0.78	0.78
I-3	630	Wetland Forested Mixed	2.5	2.50	0.80	0.40	1.00	1.00
K	630	Wetland Forested Mixed	14.03	14.03	0.87	0.40	5.61	5.61
L	630	Wetland Forested Mixed	10.13	10.13	0.87	0.40	4.05	4.05
Totals				37.44				14.97

**Progress Energy Florida  
Levy Baseload Project  
Common Route from CR40 South to Citrus Wetland Impact Summary**

	<b>Acreage (Fill)</b>	<b>Acreage (Clearing)</b>	<b>Mitigation Credits</b>
<b>Pads</b>	5.49	-	4.48
<b>Roads</b>	0.16	-	0.14
<b>Right-of-Way Clearing</b>	-	37.44	14.97
<b>Total</b>	5.65	37.44	19.59