

Florida Fish and Wildlife Conservation Commission
Division of Habitat and Species Conservation
Land Conservation and Planning
Pierce Mound Complex Florida Forever Project Analysis
December 2025



This document contains the Florida Fish and Wildlife Conservation Commission's (FWC) Geographic Information System (GIS) data analysis of the area yet to be acquired within the **Pierce Mound Complex** Florida Forever project. This analysis was performed to provide FWC and others with important fish and wildlife resource information to be used in evaluating and ranking Florida Forever projects. The data selected for analysis are those considered by FWC to spatially reflect important fish and wildlife habitat and life history requirements.

In addition, FWC has completed a field review and associated assessment report for this project/proposal that is incorporated within the Acquisition and Restoration Council Florida Forever Project Evaluation Report. This report is available upon request.

GIS Data

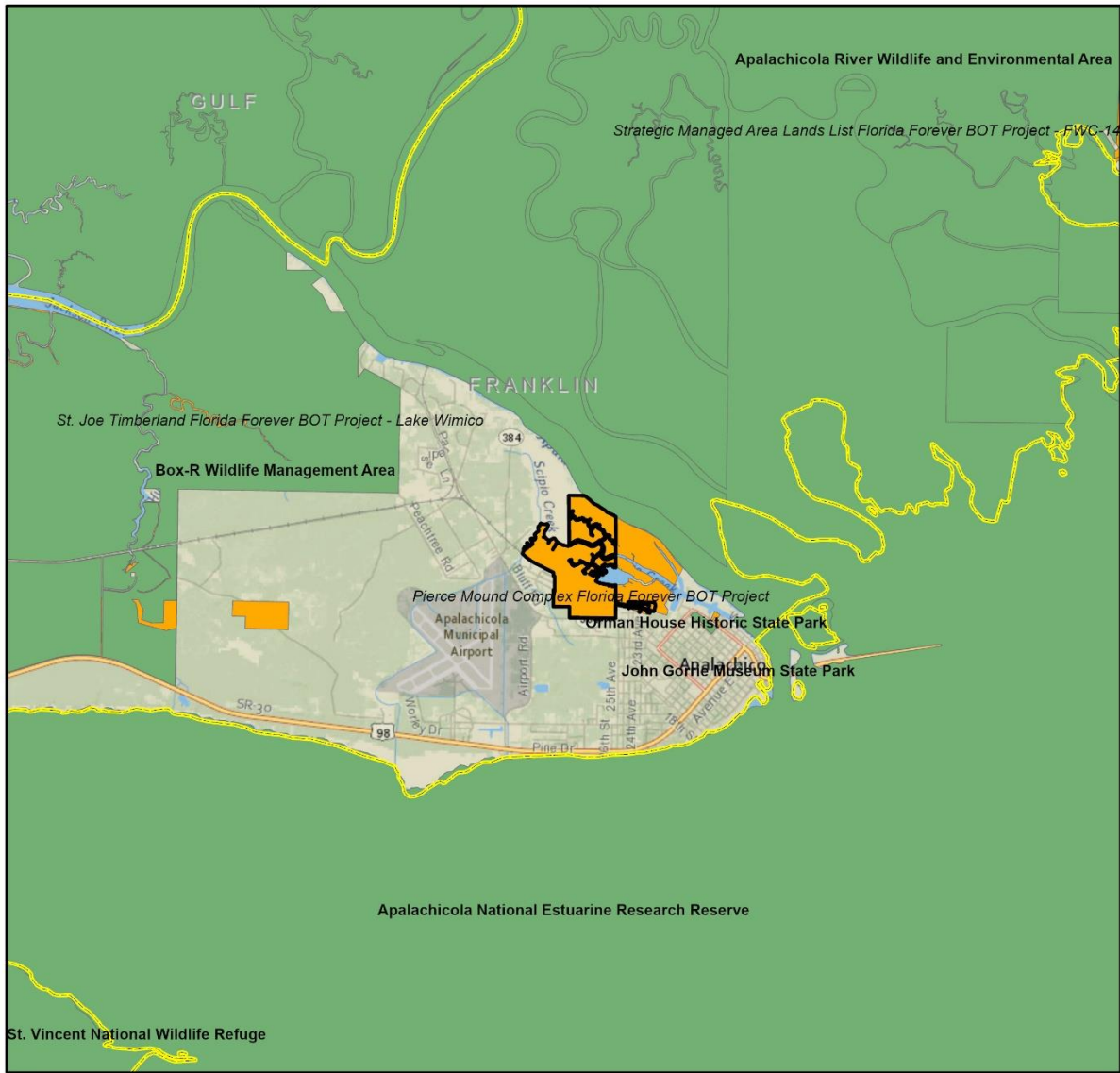
The FWC utilizes the Florida Cooperative Land Cover (CLC) GIS data layer for identification and mapping of land cover. The CLC is a cooperative effort between the FWC and the Florida Natural Areas Inventory (FNAI) to develop ecologically-based statewide land cover from existing sources and expert review of aerial photography. Land cover acreage estimates found in this document are based on GIS analysis of these data.

The FWC Florida Landscape Assessment Model (FLAM) is a GIS-based assessment tool that incorporates a wide variety of land cover and wildlife species data. These wildlife species include imperiled species and locally important species. Application of this model assists in the identification and conservation of important wildlife habitats. The FLAM ranks the Florida landscape based upon important natural resources and habitat needs of wildlife to identify ecologically significant lands in the state, and to assess the potential impacts of land development projects on wildlife populations. The FLAM is provided as part of the FWC's continuing technical assistance to various local, regional, state, and federal agencies, and entities interested in wildlife needs and conservation in order to: (1) determine ways to avoid or minimize project impacts by evaluating alternative placements, alignments, and transportation corridors during early planning stages, (2) assess direct, secondary, and cumulative impacts to habitat and wildlife resources, and (3) help identify appropriate parcels for land conservation, and for wetland and upland habitat mitigation. The FLAM ranks habitat from 0-10; a rank of 10 being of greatest value. **The FLAM score for this project is 8.7.**

Important fish and wildlife resource GIS data were queried using Environmental Resource Analysis GIS computer software. These data include the following GIS layers:

- FWC-FNAI Florida Cooperative Land Cover
- FWC Strategic Habitat Conservation Areas – Priority and Species

- Critical Lands and Waters Identification Project (CLIP) – Priority 1 and 2 – Terrestrial and Water
- CLIP – Landscape, Biodiversity, and Floodplain Resources
- Panther Location
- Panther Mortality
- Florida Panther Priority Habitat (Primary, Secondary, and Dispersal)
- Black Bear Range
- Rare Fish Locations/ Imperiled Waters
- Southern Bald Eagle Nest
- FWC Imperiled Species Richness
- FNAI Element Occurrences
- FNAI Suitable Habitat that Supports Species Known to Occur in the Vicinity
- Florida Department of Environmental Protection Surface Water Classification
- U.S. Fish and Wildlife Service (USFWS) - National Wetlands Inventory
- USFWS Critical Habitat
- Florida Geological Survey Springs
- Outstanding Florida Waters
- Areas of Critical State Concern



**Pierce Mound Complex
Florida Forever Project**
Franklin County
357 Acres



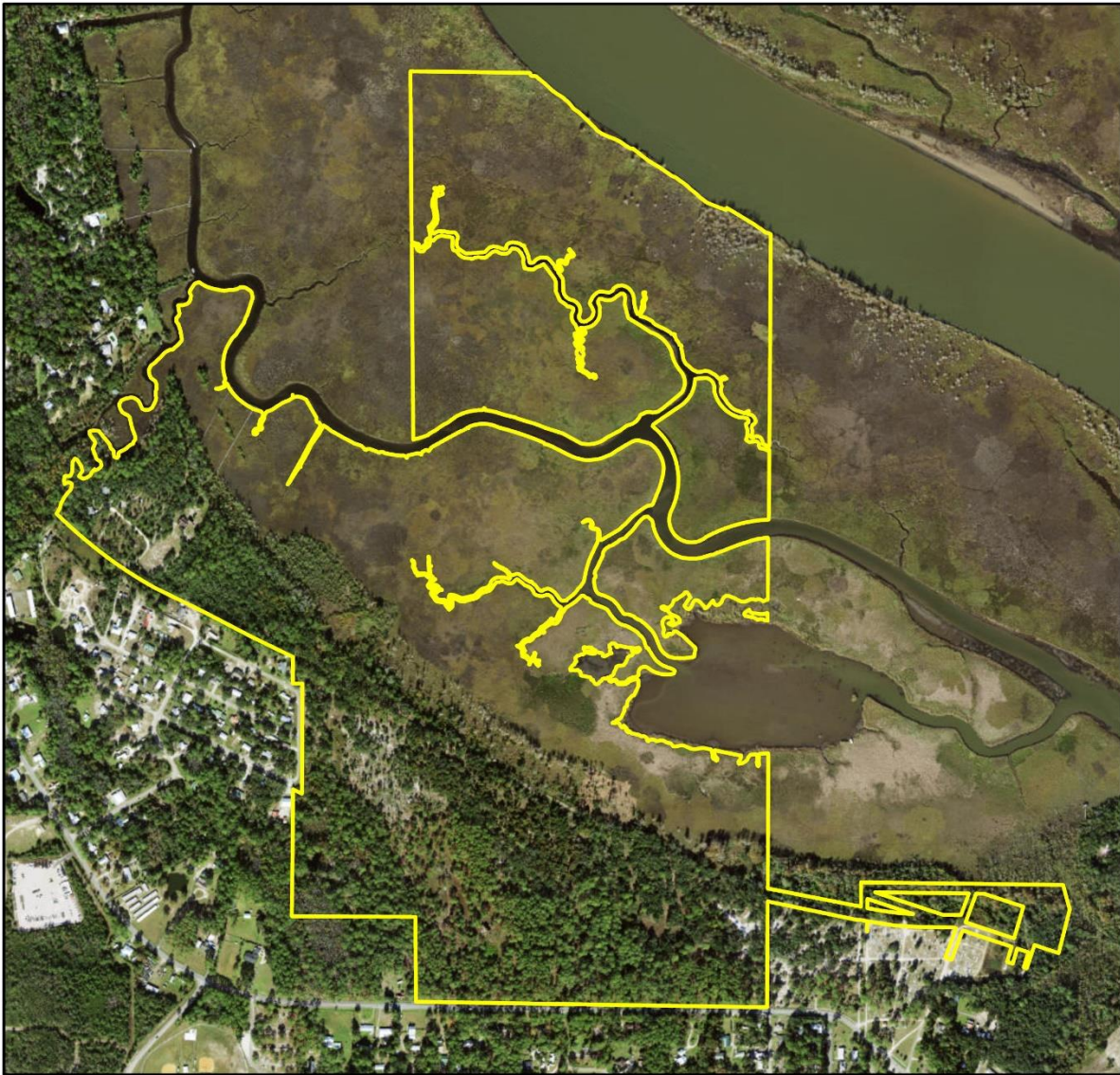
0 1 2 3 4 Miles

Created in ArcGIS 10.8 by the Florida Fish and Wildlife Conservation Commission December 2025



Vicinity Map

- Pierce Mound Complex Boundary
- County Boundaries
- Conservation Lands
- Florida Forever Projects



Pierce Mound Complex
Florida Forever Project
 Franklin County
 357 Acres



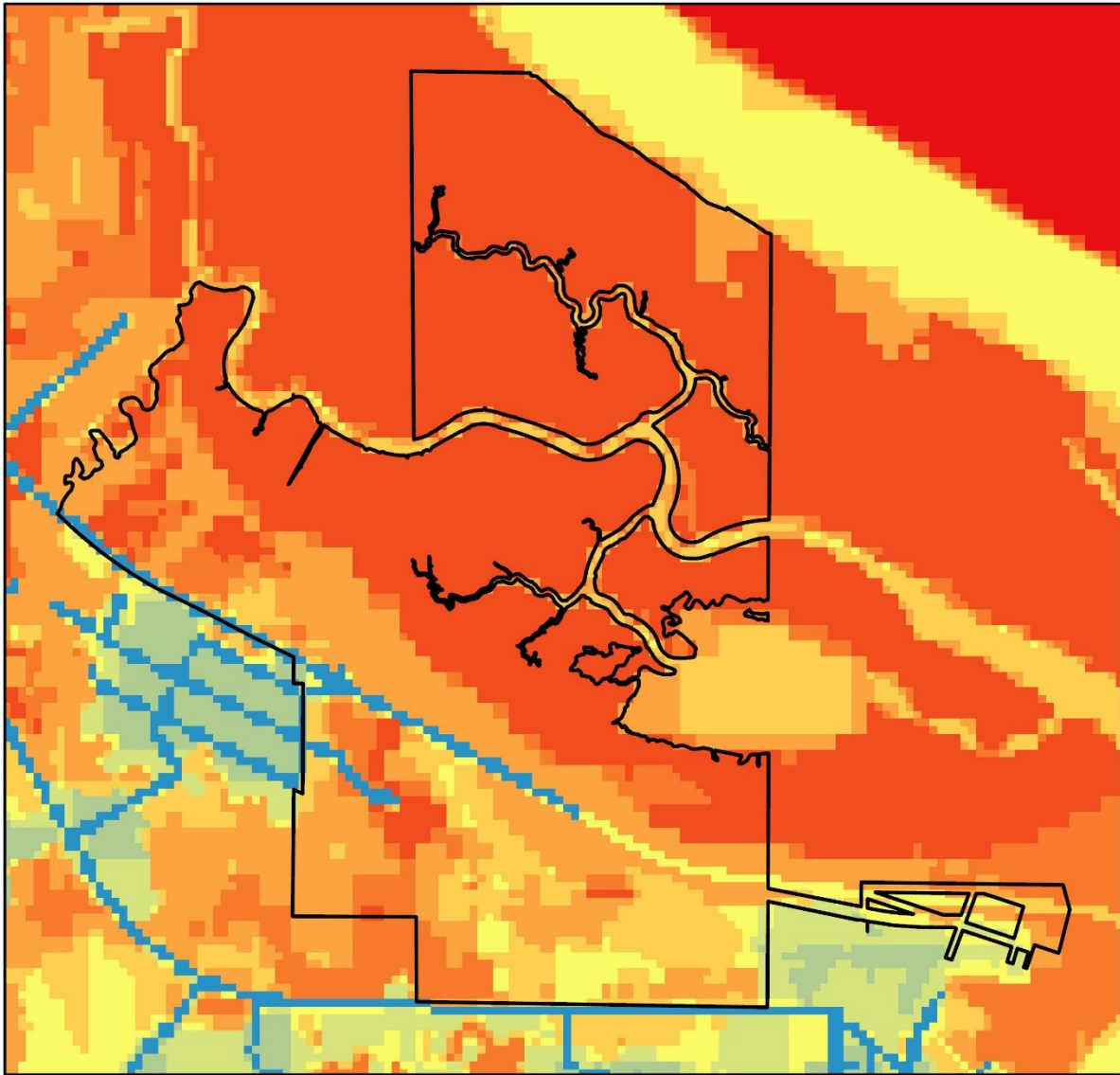
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Created in ArcGIS 10.8 by the Florida Fish and Wildlife Conservation Commission December 2025



Aerial Imagery

 Pierce Mound Complex Boundary



Pierce Mound Complex
Florida Forever Project
 Franklin County
 357 Acres



0 0 0 0 1 Miles

Created in ArcGIS 10.8 by the Florida Fish and Wildlife Conservation Commission December 2025

Florida Landscape Assessment Model



Environmental Resource Analysis

FWC Land Conservation and Planning

Analysis Shape Type: Polygon

Analysis Timestamp: 10292025 04:28:16

Shape Name: Pierce Mound Complex

Boundary Area: 356.96 acres

Buffer Area: 0 acres

Total Area: 356.96 acres

FWC Wildlife Data and Models

Cooperative Land Cover v3.8

Name - State	Code - State	Name - Site	Code - Site	Total Area (acres)	Percent of Area
Estuarine	5000	Estuarine	5000	0.32	0.09 %
Salt Marsh	5240	Salt Marsh	5240	204.69	57.34 %
Freshwater Forested Wetlands	2200	Mixed Hardwood-Coniferous Swamps	2240	28.71	8.04 %
Lacustrine	3000	Lacustrine	3000	0.03	0.01 %
Low Intensity Urban	1821	Cemeteries	182134	3.77	1.06 %
Transportation	1840	Transportation	1840	6.83	1.91 %
High Intensity Urban	1822	Residential, Med. Density - 2-5 Dwelling Units/AC	18221	0.38	0.11 %
Wet Flatwoods	2221	Hydric Pine Flatwoods	22211	6.51	1.82 %
Rural	1830	Rural Open	1831	9.93	2.78 %
Extractive	1870	Extractive	1870	0.75	0.21 %
Mesic Flatwoods	1310	Mesic Flatwoods	1311	34.82	9.76 %
Mixed Hardwood-Coniferous	1400	Mixed Hardwood-Coniferous	1400	5.30	1.48 %
Cypress	2211	Cypress	2211	1.03	0.29 %
Freshwater Forested Wetlands	2200	Mixed Wetland Hardwoods	2233	50.17	14.06 %
Prairies and Bogs	2110	Wet Prairie	2111	2.95	0.83 %
Prairies and Bogs	2110	Mixed Scrub-Shrub Wetland	2112	0.76	0.21 %
TOTAL:				356.96	100 %

Critical Lands and Waters Identification Project (CLIP) Priority 1 and 2 - Terrestrial and Waters

CLIP Priority	Total Area (acres)	Percent of Area
CLIP P1 in submerged lands/state waters	4.84	1.36 %
CLIP P1 in terrestrial	319.86	89.61 %
CLIP P2 in submerged lands/state waters	0.20	0.05 %
CLIP P2 in terrestrial	24.13	6.76 %
TOTAL:	349.02	97.78 %

CLIP- Landscape Category

Priority	Total Area (acres)	Percent of Area
0	0.23	0.06 %
2	121.13	33.93 %
3	183.61	51.44 %
4	51.99	14.56 %
TOTAL:	356.96	100 %

CLIP- Biodiversity Category

Priority	Total Area (acres)	Percent of Area
0	5.09	1.43 %
1	0.08	0.02 %
2	10.03	2.81 %
3	9.30	2.61 %
4	203.67	57.06 %
5	128.79	36.08 %
TOTAL:	356.96	100 %

Priority FWC Strategic Habitat Conservation Areas 2020

Priority	Total Area (acres)	Percent of Area
0	22.01	6.17 %
2	199.84	55.98 %
5	135.11	37.85 %
TOTAL:	356.96	100 %

FWC Strategic Habitat Conservation Areas 2024

Species 1	Species 2	Species 3	Species 4	Species 5	Species 6	Species 7	Species 8	Species 9	Total Area (acres)	Percent of Area
Cooper's hawk									53.51	14.99 %
Cooper's hawk	Florida black bear								72.74	20.38 %
Florida black bear									5.27	1.48 %

Florida burrowing owl			0.63	0.18 %
Florida burrowing owl	Cooper's hawk		2.83	0.79 %
Florida burrowing owl	Cooper's hawk	Florida black bear	0.32	0.09 %
Florida burrowing owl	Florida black bear		0.05	0.01 %
Florida burrowing owl	Gulf salt marsh snake		0.53	0.15 %
Gulf salt marsh snake			199.71	55.95 %
Gulf salt marsh snake	Florida black bear		1.11	0.31 %
			TOTAL: 336.70	94.33 %

Panther Location

No Records Found

Panther Mortality

No Records Found

Panther Priority Habitat

No Records Found

Bear Range

Bear Range	Total Area (acres)	Percent of Area
Frequent	349.20	97.82 %
TOTAL:	349.20	97.82 %

Rare Fish

No Records Found

Rare Fish Imperiled Waters

COMMON NAME	SCIENTIFIC NAME	Total Area (acres)	Percent of Area
Alabama shad	Alosa alabamiae	356.96	100 %
Bluestripe shiner	Cyprinella callitaenia	356.96	100 %
Grayfin redhorse	Moxostoma sp. cf. M. poecilurum	356.96	100 %
Spotted bullhead	Ameiurus serracanthus	356.96	100 %
TOTAL:		1,427.84	400 %

Southern bald eagle nest

Nest Count	Earliest Survey Year	Latest Survey Year	Total Area (acres)	Percent of Area
3	2005	2017	30.78	8.62 %
TOTAL:			30.78	8.62 %

Imperiled Species Richness

Number of Species	Total Area (acres)	Percent of Area
0	18.70	5.24 %
1	5.38	1.51 %
2	14.28	4 %
3	29.22	8.19 %
4	243.61	68.25 %
5	0.81	0.23 %
6	44.95	12.59 %
TOTAL:	356.96	100 %

Florida Natural Areas Inventory Data

Element Occurrences

COMMON NAME	SCIENTIFIC NAME	GLOBAL RANK	STATE RANK	FWC STATUS	FEDERAL STATUS	EO Rank	Last Observation	Total Area (acres)	Percent of Area
Alabama Shad	Alosa alabamiae	G2?	S1S2	N	N	BD	2020-06-02	11.45	3.21 %
Alligator Snapping Turtle	Macrochelys temminckii	G3	S3	N	PT	A	2019-06-27	11.45	3.21 %
Apalachicola Redhorse	Moxostoma sp. 1	G3	S2	N	N	E	1989-08-21	10.80	3.02 %
corkwood	Leitneria floridana	G3	S3	T	N	B	2007-05-31	0.00	0 %
Eastern River Cooter	Pseudemys concinna concinna	G5T5	S3	N	N	AB	2015-10-21	11.45	3.21 %
Fat Threeridge	Amblema neislerii	G1	S1	FE	E	AB	2017	11.45	3.21 %
Florida Black Bear	Ursus americanus floridanus	G5T4	S4	N	N	BC	2022-07-06	349.14	97.81 %
Florida waxweed	Cuphea aspera	G2	S2	E	N	E	2004-07-22	1.66	0.46 %
Spiny Softshell	Apalone spinifera	G5	S3	N	N	A	2015-10-21	11.45	3.21 %
ZZ	Hydric hammock	G4	S4	N	N	A	2004	2.81	0.79 %
ZZ	Mesic flatwoods	G4	S4	N	N	A	2004	2.81	0.79 %
ZZ	Mesic hammock	G3	S3?	N	N	A	2004	2.81	0.79 %
ZZ	Mesic hammock	G3	S3?	N	N	B	2004	2.74	0.77 %
ZZ	Salt marsh	G5	S4	N	N	A	2004	2.24	0.63 %

ZZ	Scrub	G2	S2	N	N	A	1994-05-23	2.81	0.79 %
ZZ	Scrubby flatwoods	G2	S2?	N	N	B	2004	2.81	0.79 %
TOTAL:								437.88	122.67 %
Suitable Habitat that Supports Species Known to Occur in the Vicinity									
COMMON NAME		SCIENTIFIC NAME		Total Area (acres)			Percent of Area		
Alligator Snapping Turtle		Macrochelys temminckii		324.20			90.82 %		
Apalachicola Redhorse		Moxostoma sp. 1		324.20			90.82 %		
Florida waxweed		Cuphea aspera		5.47			1.53 %		
Gulf Sturgeon		Acipenser oxyrinchus desotoi		101.03			28.3 %		
white birds-in-a-nest		Macbridea alba		22.63			6.34 %		
Wood Stork		Mycteria americana		255.72			71.64 %		
TOTAL:				1,033.24			289.46 %		
USFWS									
Critical Habitat									
No Records Found									
Area of Critical State Concern									
Apalachicola									
NAME		Total Area (acres)			Percent of Area				
Apalachicola		8.20			2.3 %				
TOTAL:		8.20			2.3 %				
Big Cypress									
No Records Found									
Green Swamp									
No Records Found									
Key West									
No Records Found									
Lower Keys									
No Records Found									
Upper Keys									
No Records Found									
Florida Ecological Greenways Network									
Wildlife Corridor Classification									
Priority Level		Total Area (acres)			Percent of Area				
5		356.34			99.83 %				
TOTAL:		356.34			99.83 %				
Water Resources									
FDEP Surface Water Classification									
Waterbody Name		Water Type	Water Basin	Classification	Total Area (acres)			Percent of Area	
APALACHICOLA RIVER		ESTUARY	375A	3M	356.96			100 %	
TOTAL:					356.96			100 %	
Outstanding Florida Waters									
Name		OFW Type	Total Area (acres)			Percent of Area			
Apalachicola River		Special	197.21			55.25 %			
TOTAL:			197.21			55.25 %			
Florida Geological Survey Springs									
No Records Found									
National Wetlands Inventory									
Wetland Type			Wetland Code	Total Area (acres)			Percent of Area		
Freshwater Forested/Shrub Wetland			PFO6/3R	2.10			0.59 %		
Estuarine and Marine Wetland			E2EM1P	200.68			56.22 %		
Estuarine and Marine Deepwater			E1UBL	0.91			0.26 %		
Estuarine and Marine Wetland			E2EM5P	0.03			0.01 %		
Estuarine and Marine Wetland			E2FO4/EM1P	4.00			1.12 %		
Freshwater Forested/Shrub Wetland			PFO1/4C	8.49			2.38 %		
Freshwater Emergent Wetland			PEM1R	0.41			0.11 %		
Freshwater Forested/Shrub Wetland			PFO1/4R	36.38			10.19 %		
TOTAL:				253.00			70.88 %		
Priority Floodplain Resources									
Priority		Total Area (acres)			Percent of Area				
0		112.67			31.56 %				
3		165.95			46.49 %				

2	53.14	14.89 %
4	25.20	7.06 %
TOTAL:	356.96	100 %