

**Florida Fish and Wildlife Conservation Commission
Division of Habitat and Species Conservation
Land Conservation and Planning
Gooski Prairie 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 **Gooski Prairie** 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

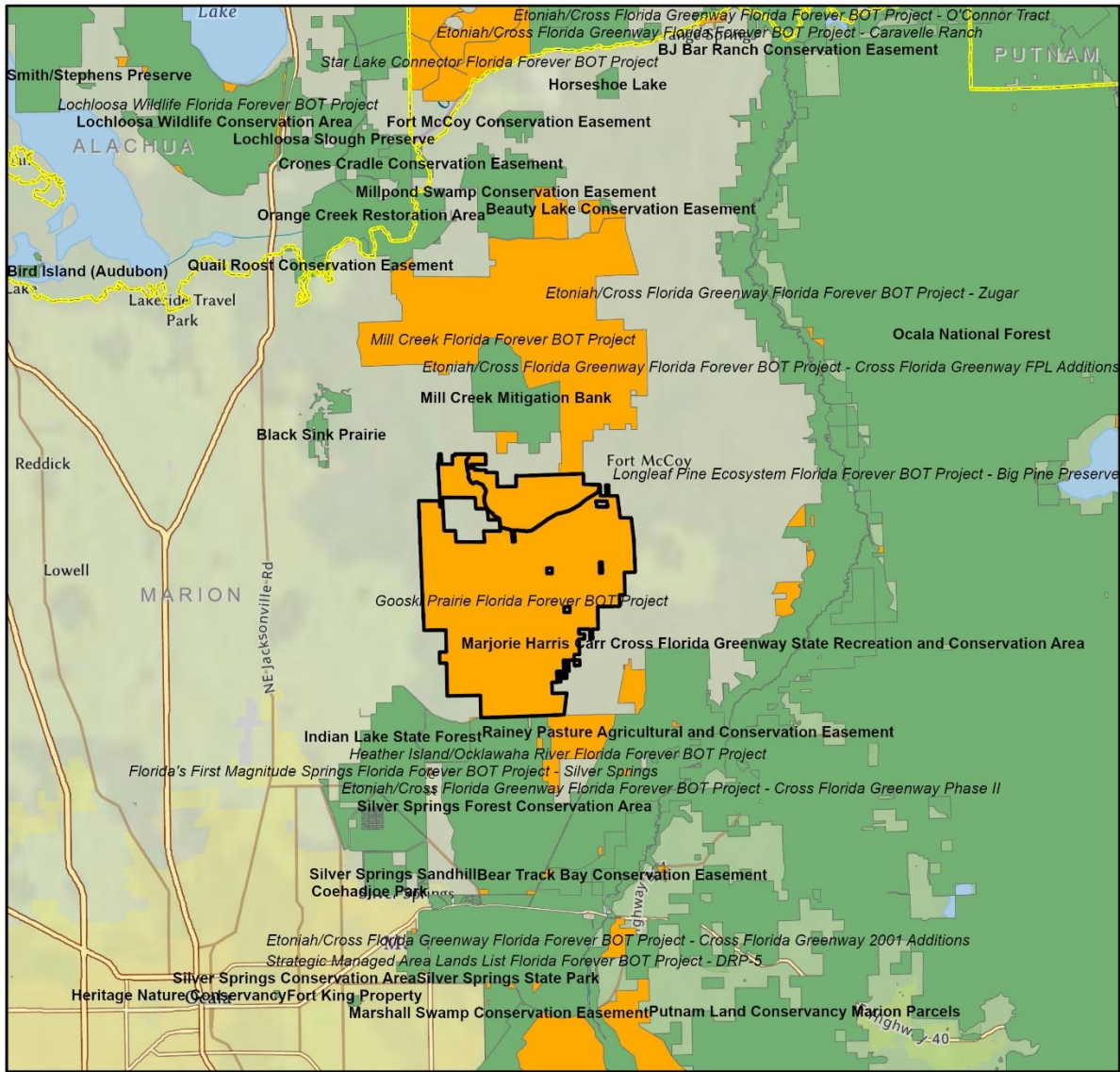
The FWC utilizes the Florida Cooperative Land Cover (CLC) GIS data layer for identification and mapping of land cover. The CLC is a cooperative effort between the FWC and the Florida Natural Areas Inventory (FNAI) to develop ecologically-based statewide land cover from existing sources and expert review 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 6.3.**

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



**Gooski Prairie
Florida Forever Project**
Marion County
12, 880 Acres

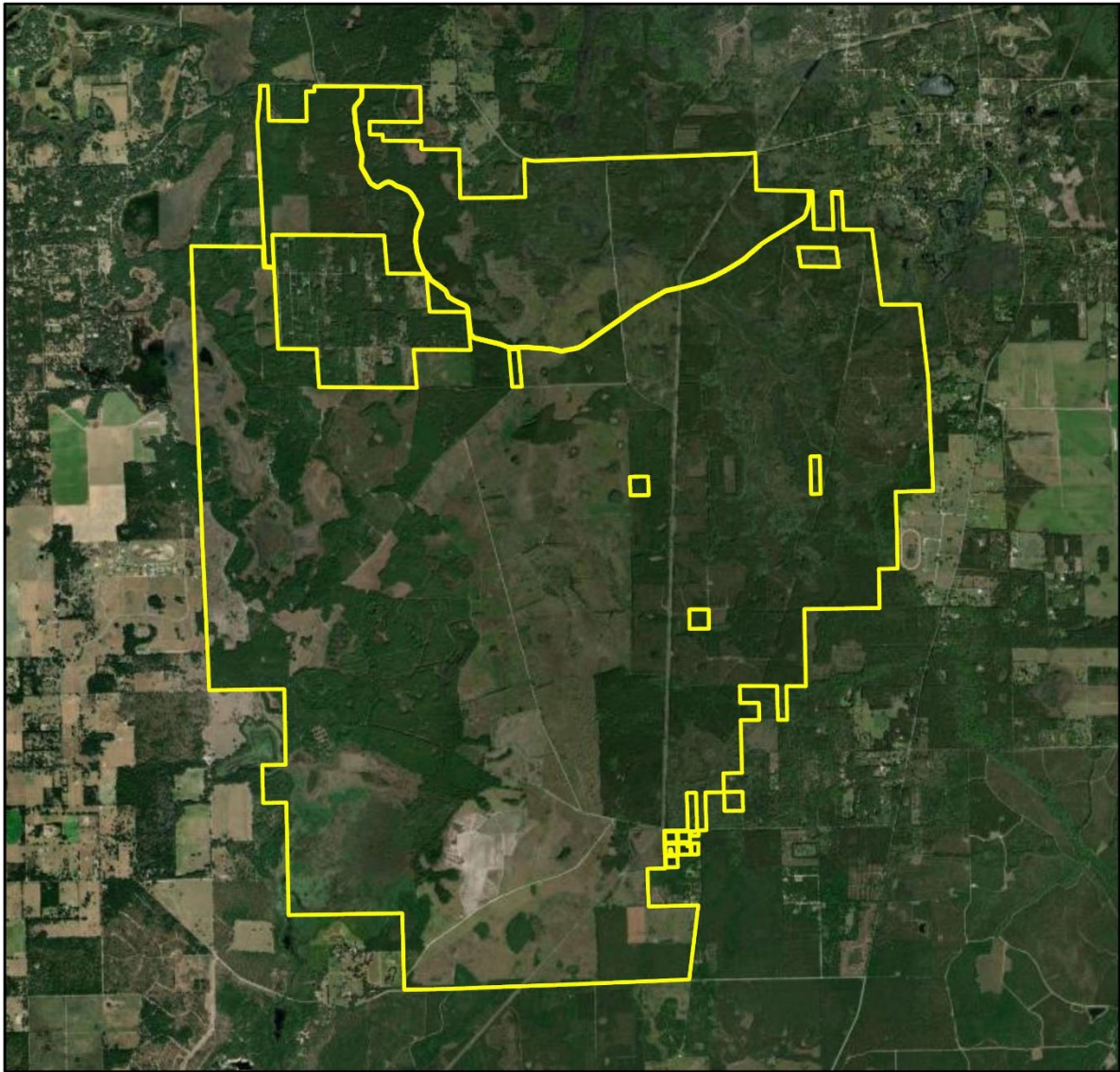


0 3 6 9 12 Miles

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

Vicinity Map

- Gooski Prairie Boundary
- County Boundaries
- Conservation Lands
- Florida Forever Projects



Gooski Prairie
Florida Forever Project
Marion County
12, 880 Acres

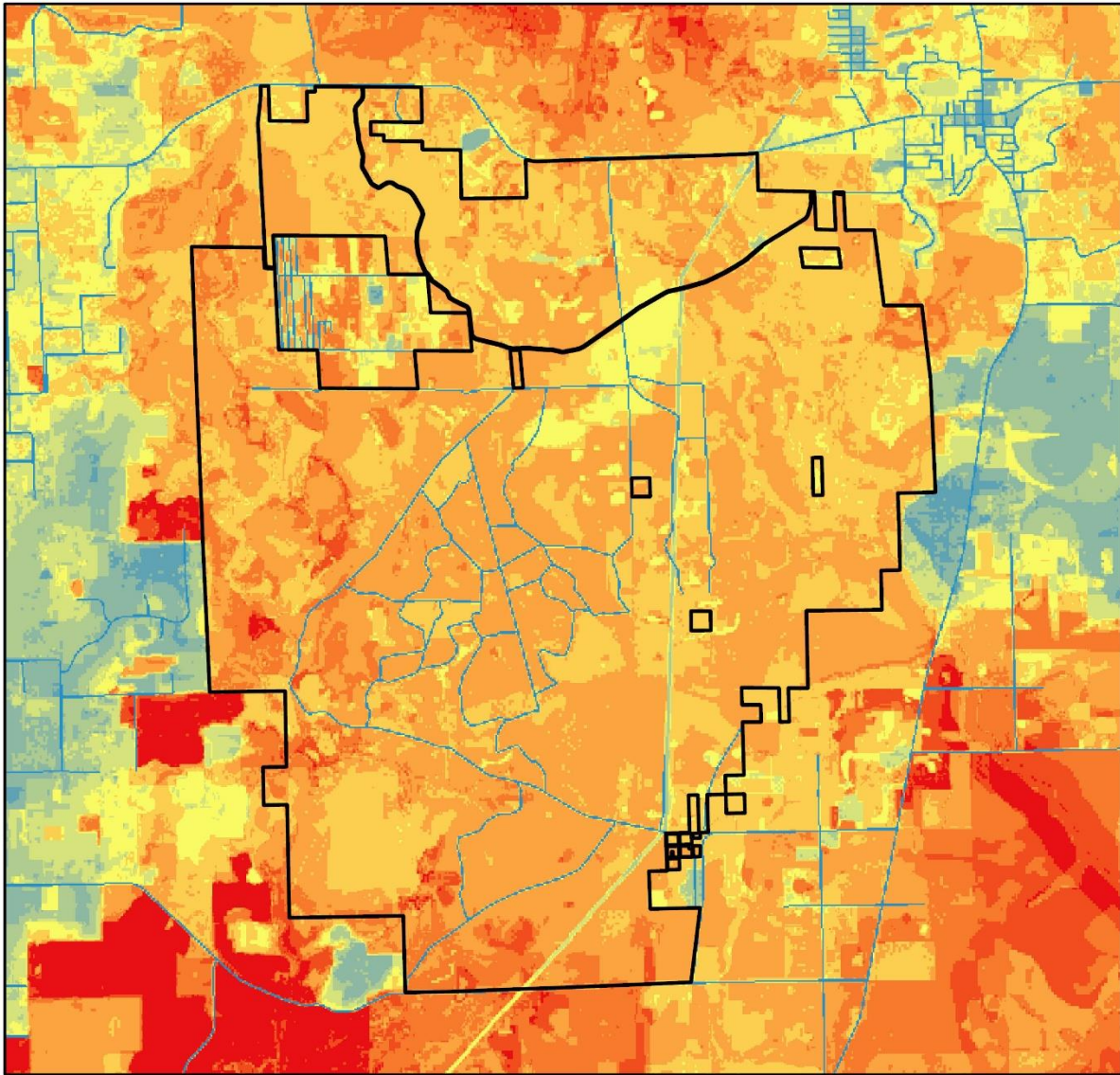


0 1 2 3 4 Miles

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

Aerial Imagery

 Gooski Prairie Boundary



Gooski Prairie
Florida Forever Project
 Marion County
 12, 880 Acres



0 1 2 3 4 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: 11042025 08:57:57

Shape Name: Gooski Prairie

Boundary Area: 12880.45 acres

Buffer Area: 0 acres

Total Area: 12880.45 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
Low Intensity Urban	1821	Residential, Low Density	18212	1.38	0.01 %
High Intensity Urban	1822	Institutional	18225	0.53	0 %
Wet Flatwoods	2221	Hydric Pine Flatwoods	22211	667.24	5.18 %
Cultural-Lacustrine	3200	Stormwater Treatment Areas	3250	0.09	0 %
Freshwater Forested Wetlands	2200	Mixed Wetland Hardwoods	2233	124.73	0.97 %
Freshwater Forested Wetlands	2200	Mixed Hardwood-Coniferous Swamps	2240	253.01	1.96 %
Natural Lakes and Ponds	3100	Flatwoods/Prairie/Marsh Lake	3113	0.77	0.01 %
Baygall	2231	Bay Swamp	22311	1.24	0.01 %
Other Agriculture	18335	Specialty Farms	183352	2.88	0.02 %
Tree Plantations	18333	Wet Coniferous Plantations	1833321	3.96	0.03 %
Transportation	1840	Transportation	1840	283.91	2.2 %
Tree Plantations	18333	Coniferous Plantations	183332	8,931.31	69.34 %
Cropland/Pasture	18331	Field Crops	183312	0.65	0.01 %
Improved Pasture	183313	Improved Pasture	183313	0.17	0 %
Rural	1830	Unimproved/Woodland Pasture	183314	1.89	0.01 %
Shrub and Brushland	1500	Shrub and Brushland	1500	3.36	0.03 %
Rural	1830	Rural Open	1831	27.21	0.21 %
Utilities	1860	Utilities	1860	98.48	0.76 %
Mixed Hardwood-Coniferous	1400	Mixed Hardwood-Coniferous	1400	410.37	3.19 %
Upland Hardwood Forest	1110	Upland Hardwood Forest	1110	68.41	0.53 %
Sandhill	1240	Sandhill	1240	46.72	0.36 %
Mesic Flatwoods	1310	Mesic Flatwoods	1311	13.79	0.11 %
Extractive	1870	Extractive	1870	4.99	0.04 %
Freshwater Non-Forested Wetlands	2100	Floating/Emergent Aquatic Vegetation	2140	149.87	1.16 %
Cypress	2211	Cypress	2211	122.11	0.95 %
Wet Flatwoods	2221	Wet Flatwoods	2221	11.49	0.09 %
Marshes	2120	Marshes	2120	819.60	6.36 %
Bare Soil/Clear Cut	1880	Bare Soil/Clear Cut	1880	35.05	0.27 %
Prairies and Bogs	2110	Wet Prairie	2111	412.80	3.2 %
Prairies and Bogs	2110	Mixed Scrub-Shrub Wetland	2112	382.46	2.97 %
TOTAL:				12,880.45	100 %

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

CLIP Priority	Total Area (acres)	Percent of Area
All other cells	8,025.21	62.31 %
CLIP P1 in submerged lands/state waters	278.66	2.16 %
CLIP P1 in terrestrial	2,763.19	21.45 %
CLIP P2 in submerged lands/state waters	81.92	0.64 %
CLIP P2 in terrestrial	1,731.49	13.44 %
TOTAL:	12,880.45	100 %

CLIP- Landscape Category

Priority	Total Area (acres)	Percent of Area
0	4.94	0.04 %
2	537.66	4.17 %
3	12,337.85	95.79 %
TOTAL:	12,880.45	100 %

CLIP- Biodiversity Category

Priority	Total Area (acres)	Percent of Area
0	78.98	0.61 %
1	172.11	1.34 %
2	3,438.64	26.7 %
3	7,283.55	56.55 %
4	1,835.33	14.25 %
5	71.84	0.56 %

TOTAL:		12,880.45					100 %			
Priority FWC Strategic Habitat Conservation Areas 2020										
Priority	Total Area (acres)					Percent of Area				
0	820.70					6.37 %				
2	626.81					4.87 %				
3	7,959.95					61.8 %				
5	3,473.00					26.96 %				
TOTAL:		12,880.45					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									22.55	0.18 %
Cooper's hawk	Florida black bear								383.76	2.98 %
Cooper's hawk	Florida black bear	Florida mouse							38.76	0.3 %
Cooper's hawk	Florida mouse								0.75	0.01 %
Cooper's hawk	Short-tailed hawk								0.17	0 %
Cooper's hawk	Short-tailed hawk	Florida black bear							0.09	0 %
Cooper's hawk	Striped newt								0.45	0 %
Cooper's hawk	Striped newt	Florida black bear							2.11	0.02 %
Cooper's hawk	Striped newt	Florida black bear	Florida mouse						1.15	0.01 %
Cooper's hawk	Striped newt	Florida mouse							0.06	0 %
Florida black bear									3,067.56	23.82 %
Florida black bear	Florida mouse								0.80	0.01 %
Florida burrowing owl									0.03	0 %
Florida burrowing owl	Cooper's hawk								0.10	0 %
Florida burrowing owl	Florida black bear								0.87	0.01 %
Florida mouse									0.61	0 %
Short-tailed hawk									2.03	0.02 %
Short-tailed hawk	Florida black bear								20.75	0.16 %
Striped newt									5.41	0.04 %
Striped newt	Florida black bear								542.35	4.21 %
Striped newt	Florida black bear	Florida mouse							1.11	0.01 %
Striped newt	Florida mouse								0.11	0 %
Swallow-tailed kite									196.28	1.52 %
Swallow-tailed kite	Cooper's hawk								50.72	0.39 %
Swallow-tailed kite	Cooper's hawk	Florida black bear							1,134.66	8.81 %
Swallow-tailed kite	Cooper's hawk	Florida black bear	Florida mouse						59.94	0.47 %
Swallow-tailed kite	Cooper's hawk	Florida mouse							1.14	0.01 %
Swallow-tailed kite	Cooper's hawk	Short-tailed hawk							0.80	0.01 %
Swallow-tailed kite	Cooper's hawk	Short-tailed hawk	Florida black bear						19.15	0.15 %
Swallow-tailed kite	Cooper's hawk	Striped newt							0.89	0.01 %
Swallow-tailed kite	Cooper's hawk	Striped newt	Florida black bear						23.73	0.18 %
Swallow-tailed kite	Cooper's hawk	Striped newt	Florida black bear	Florida mouse					0.79	0.01 %
Swallow-tailed kite	Cooper's hawk	Striped newt	Florida mouse						0.06	0 %
Swallow-tailed kite	Florida black bear								6,474.36	50.26 %
Swallow-tailed kite	Florida black bear	Florida mouse							0.33	0 %
Swallow-tailed kite	Florida burrowing owl								0.00	0 %
Swallow-tailed kite	Florida burrowing owl	Cooper's hawk							0.05	0 %
Swallow-tailed kite	Florida burrowing owl	Cooper's hawk	Florida black bear						0.10	0 %
Swallow-tailed kite	Striped newt								0.28	0 %
Swallow-tailed kite	Striped newt	Florida black bear							5.50	0.04 %

					TOTAL: 12,060.38		93.63 %		
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		12,880.45			100 %				
TOTAL:		12,880.45			100 %				
Rare Fish									
No Records Found									
Rare Fish Imperiled Waters									
COMMON NAME		SCIENTIFIC NAME			Total Area (acres)		Percent of Area		
American Eel		Anguilla rostrata			10.96		0.09 %		
Bluenose shiner		Pteronotropis welaka			10.96		0.09 %		
Ironcolor shiner		Notropis chalybaeus			7,302.76		56.7 %		
Snail bullhead		Ameiurus brunneus			10.96		0.09 %		
TOTAL:		7,335.63			7,335.63		56.95 %		
Southern bald eagle nest									
Nest Count		Earliest Survey Year		Latest Survey Year		Total Area (acres)		Percent of Area	
5		1999		2014		58.95		0.46 %	
TOTAL:				TOTAL:		58.95		0.46 %	
Imperiled Species Richness									
Number of Species		Total Area (acres)			Percent of Area				
0		931.25			7.23 %				
1		914.94			7.1 %				
2		90.26			0.7 %				
3		4,115.34			31.95 %				
4		1,608.45			12.49 %				
5		2,994.80			23.25 %				
6		1,147.25			8.91 %				
7		1,078.18			8.37 %				
TOTAL:		12,880.45			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
American Alligator	Alligator mississippiensis	G5	S4	FT(S/A)	SAT	B	2007-09-06	22.21	0.17 %
Ashe's savory	Clinopodium ashei	G3	S3	T	N	E	1968-04-19	56.50	0.44 %
Bald Eagle	Haliaeetus leucocephalus	G5	S3	N	N	E	2003	17.35	0.13 %
Eastern Indigo Snake	Drymarchon couperi	G3	S2?	FT	T	E	1938	869.41	6.75 %
Eastern Tiger Salamander	Ambystoma tigrinum	G5	S3	N	N	E	ZZ	70.90	0.55 %
Florida Black Bear	Ursus americanus floridanus	G5T4	S4	N	N	B	2020-11-19	12,880.45	100 %
Frosted Flatwoods Salamander	Ambystoma cingulatum	G1	S1	FT	T	X?	1954 pre	12,231.43	94.96 %
Little Blue Heron	Egretta caerulea	G5	S4	ST	N	E	1989-05-22	809.81	6.29 %
Pine Snake	Pituophis melanoleucus	G4	S3	ST	PS	E	ZZ	869.41	6.75 %
Short-tailed Snake	Lampropeltis extenuata	G3	S3	ST	PT	E	ZZ	869.41	6.75 %
Southeastern Fox Squirrel	Sciurus niger niger	G5T5	S3	N	N	B	2022-03-21	3.67	0.03 %
ZZ	Basin marsh	G4	S3	N	N	A	2004	573.52	4.45 %
ZZ	Basin marsh	G4	S3	N	N	B	2004	606.26	4.71 %
TOTAL:								29,880.34	231.98 %
Suitable Habitat that Supports Species Known to Occur in the Vicinity									
COMMON NAME		SCIENTIFIC NAME			Total Area (acres)		Percent of Area		
Florida Long-tailed Weasel		Neogale frenata peninsulae			12,182.28		94.58 %		
Florida Sandhill Crane		Antigone canadensis pratensis			2,023.01		15.71 %		
TOTAL:		TOTAL:			14,205.28		110.29 %		

USFWS									
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Critical Habitat

No Records Found

Area of Critical State Concern**Apalachicola**

No Records Found

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
3	12,865.73	99.89 %
TOTAL:	12,865.73	99.89 %

Water Resources**FDEP Surface Water Classification**

Waterbody Name	Water Type	Water Basin	Classification	Total Area (acres)	Percent of Area
MILL CREEK	STREAM	2756	3F	16.83	0.13 %
UNNAMED DRAIN	STREAM	2763	3F	637.09	4.95 %
GOOSKI PRAIRIE	STREAM	2764	3F	4,271.69	33.16 %
DAISY CREEK	STREAM	2769	3F	7,306.79	56.73 %
HALF MILE CREEK	STREAM	2774	3F	648.05	5.03 %
TOTAL:				12,880.45	100 %

Outstanding Florida Waters

No Records Found

Florida Geological Survey Springs

No Records Found

National Wetlands Inventory

Wetland Type	Wetland Code	Total Area (acres)	Percent of Area
Freshwater Emergent Wetland	PEM1C	135.13	1.05 %
Freshwater Emergent Wetland	PEM1F	166.84	1.3 %
Freshwater Forested/Shrub Wetland	PFO6C	151.39	1.18 %
Freshwater Forested/Shrub Wetland	PFO6F	402.15	3.12 %
Freshwater Emergent Wetland	PEM1/SS1C	3.22	0.02 %
Freshwater Emergent Wetland	PEM1/SS1F	1.45	0.01 %
Freshwater Forested/Shrub Wetland	PFO1A	2.58	0.02 %
Freshwater Forested/Shrub Wetland	PFO1C	24.45	0.19 %
Freshwater Forested/Shrub Wetland	PFO4C	0.80	0.01 %
Freshwater Forested/Shrub Wetland	PSS1C	6.10	0.05 %
Freshwater Forested/Shrub Wetland	PSS1F	1.03	0.01 %
Freshwater Forested/Shrub Wetland	PSS7/EM1A	6.89	0.05 %
Freshwater Pond	PUBH	18.49	0.14 %
Riverine	R4SBC	3.56	0.03 %
Riverine	R5UBFx	9.70	0.08 %
Riverine	R5UBH	13.42	0.1 %
Freshwater Emergent Wetland	PEM1A	81.74	0.63 %
Freshwater Forested/Shrub Wetland	PFO1/4A	5.79	0.04 %
Freshwater Emergent Wetland	PEM1/FO1A	0.93	0.01 %
Freshwater Emergent Wetland	PEM1/FO1C	3.49	0.03 %
Freshwater Emergent Wetland	PEM1/FO4A	5.58	0.04 %
Freshwater Emergent Wetland	PEM1/FO4C	6.69	0.05 %
Freshwater Emergent Wetland	PEM1/FO6C	19.57	0.15 %
Freshwater Emergent Wetland	PEM1/FO7C	7.97	0.06 %
Freshwater Emergent Wetland	PEM1/SS4C	0.83	0.01 %
Freshwater Emergent Wetland	PEM1/SS7A	12.69	0.1 %
Freshwater Emergent Wetland	PEM1/SS7C	58.71	0.46 %
Freshwater Emergent Wetland	PEM1/UBF	2.79	0.02 %
Freshwater Forested/Shrub Wetland	PFO1/4C	6.93	0.05 %

Freshwater Forested/Shrub Wetland	PFO1/EM1C	1.49	0.01 %
Freshwater Forested/Shrub Wetland	PFO1/SS1F	0.00	0 %
Freshwater Forested/Shrub Wetland	PFO1F	3.44	0.03 %
Freshwater Forested/Shrub Wetland	PFO3/1C	35.09	0.27 %
Freshwater Forested/Shrub Wetland	PFO3/4C	25.65	0.2 %
Freshwater Forested/Shrub Wetland	PFO4/1A	66.74	0.52 %
Freshwater Forested/Shrub Wetland	PFO4/1C	16.68	0.13 %
Freshwater Forested/Shrub Wetland	PFO4A	16.49	0.13 %
Freshwater Forested/Shrub Wetland	PFO6/4C	2.37	0.02 %
Freshwater Forested/Shrub Wetland	PFO7C	125.34	0.97 %
Freshwater Forested/Shrub Wetland	PFO6/EM1C	10.39	0.08 %
Freshwater Forested/Shrub Wetland	PFO6/SS6F	99.72	0.77 %
Freshwater Forested/Shrub Wetland	PSS/EM1F	1.14	0.01 %
Freshwater Forested/Shrub Wetland	PSS1/3C	2.29	0.02 %
Freshwater Forested/Shrub Wetland	PSS1A	1.23	0.01 %
Freshwater Forested/Shrub Wetland	PSS3C	7.90	0.06 %
Freshwater Forested/Shrub Wetland	PSS4C	13.56	0.11 %
Freshwater Forested/Shrub Wetland	PSS6/FO6C	11.32	0.09 %
Freshwater Forested/Shrub Wetland	PSS6/FO6F	11.67	0.09 %
Freshwater Forested/Shrub Wetland	PSS6A	8.74	0.07 %
Freshwater Forested/Shrub Wetland	PSS7/EM1C	0.59	0 %
Freshwater Pond	PAB3/EM1F	925.77	7.19 %
	TOTAL:	2,548.51	19.79 %
Priority Floodplain Resources			
Priority	Total Area (acres)	Percent of Area	
4	3,293.90	25.57 %	
3	1,123.55	8.72 %	
0	7,055.47	54.78 %	
2	1,383.38	10.74 %	
5	24.15	0.19 %	
TOTAL:	12,880.45	100 %	