

TO: Flagler County Board of County Commissioners

DATE: February 2, 2015

ESL PROJECT NAME: Relay Ridge

PARCEL #(s): 23 14 30 0000 02020-0000

I do hereby state that as the property owner(s) of the above-referenced property, I am willing to consider a purchase offer from the Flagler County Environmentally Sensitive Lands program. Further, I (we) give permission to Flagler County Staff, the Flagler County Land Acquisition Selection Advisory Committee, and their authorized representatives access to the above referenced property.

Relay Ridge LLC
Print Name of Property Owner

Print Name of Property Owner

x [Signature]
Signature of Property Owner

[Signature] John C White
Signature of Property Owner

c/o Dennis Bayer, 109 S. 6th St, Flagler Beach FL
Property Owner's Address

(386) 212 9024
Property Owner's Telephone Number

Note: A second signature line is provided if property is jointly-owned (i.e., husband and wife, etc.)

Please return this statement to:

Tim Telfer
Flagler County Board of County Commissioners
1769 E. Moody Blvd., Suite 309
Bunnell, FL 32110
Fax: 386-313-4101

Signing the form places you under no obligation to accept any specific offer, or limit any other options you may consider during the interim.

Flagler County Land Acquisition Committee (LAC)
Environmentally Sensitive Lands Acquisition Program
Application Form Page One

Site Name: Relay Ridge 386 439 2332
Submitted by: Dennis Bayer Contact (email/phone): Denbayer@aol.com
Date Submitted: February 2, 2015 Gene White GeneWhite7@yahoo.com
Property Owner: Relay Ridge LLC Contact (email/phone): 386 569 9977

1. Property Size: 473.11 Acres
2. Flagler County Tax Parcel Identification Number: 23 14 30 0000 02020 0000
3. Site Location: North of Relay Rd., Hull Cypress Swamp
(Please attach a location map delineating the site)

4. Provide additional comments the LAC should know regarding this potential acquisition. Please consider the program objectives attached to this form when providing comments. (Please attach extra pages if necessary)

This site is an important link in the Flagler/Volusia Greenway Corridor. The property connects the St. Johns WMD property, Plum Creek conservation area and the George Anderson Trust mitigation area.
The ecosystems include wetlands, pine trees and hardwood hammock. Wildlife includes bear, deer, turkey, fox and a variety of bird species. The property is relatively undisturbed.
The location in the corridor will allow for lower management costs. Logging roads on the property will provide easy access.
The property owners are willing to sell to Flagler County directly or as a joint acquisition with St. Johns WMD as funds may be available. We can arrange for a tour anytime staff is available.

AUTHORIZATION TO ENTER PROPERTY

Regarding: Land submitted to the Flagler County Environmentally Sensitive Lands Program (ESL)

I, Gene White & John White, the Owner or Owner's Representative of the property described below agree that from the date this Agreement is executed, the members of the members of the Land Acquisition Selection Advisory Committee, upon reasonable notice, shall have the right to enter the property located at

Relay Ridge (see attached parcel information.)

for the purposes of environmental site review and for all lawful purposes associated with the evaluation of the property for acquisition consideration by the Environmentally Sensitive Lands Program.

The granting of this permission by the undersigned is not intended, nor should it be construed, as an admission of liability on the part of the undersigned or undersigned successor's.

This permission is contemplated to be used for the following activities which may be performed by Flagler County, its agents, representatives, or contractors:

Survey of the natural community types on-site or property boundary survey prior to closing.

Nondestructive surveys of the flora and fauna on-site, including the identification and survey of rare, threatened, or endangered plants and animals.

The collection of written and photographic data required for comprehensive site review during the ESL site selection process or property appraisal review.

Survey of the property boundaries.

Jim K Boy
Authorized Representative Signature

Gene White [Signature]
Owners Signature

02/02/15
Date

Sales In Area	Previous Parcel	Next Parcel	Return to Main Search	Flagler Home
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Property Record Card

Owner and Parcel Information

Owner Name	RELAY RIDGE LLC	Today's Date	January 28, 2015
Mailing Address	208 WALL STREET LOFT 301	Parcel Number	23-14-30-0000-02020-0000
Location Address	DAYTONA BEACH, FL 32114	Tax District	UNINCORPORATED AREA WITH NO MOSQUITO CONTROL (District 5)
Property Usage	TIMBER 2 S (005500)	2014 Millage Rates	16.33590
		Homestead	N

Tax Collector Bill	Show Parcel Maps	Generate Owner List By Radius	Show Assessment Notice	Show Historical Assessments
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Value Information

	2012 Certified Values	2013 Certified Values	2014 Certified Values
Building Value	\$0	\$0	\$0
Extra Feature Value	\$0	\$0	\$0
Land Value	\$0	\$0	\$0
Land Agricultural Value	\$89,764	\$89,764	\$89,764
Agricultural (Market) Value	\$811,650	\$811,650	\$814,150
Just (Market) Value*	\$811,650	\$811,650	\$814,150
Assessed Value	\$89,764	\$89,764	\$89,764
Exempt Value	\$0	\$0	\$0
Taxable Value	\$89,764	\$89,764	\$89,764
Protected Value	\$0	\$0	\$0

Legal Information

473.11 AC LYING IN SEC 23 & 24 DES AS ALL OF THE E1/2 EXC THEWLY 1000+/- OF THE N1/2 OF NE 1/4 LYING IN SEC 23 AND WLY 1297.13 +/- AND THAT PORTION OF SE1/4 OF SW 1/4 NOT LYING IN SMOERISE UNIT 4 SUBD LYING IN SEC 24 OR 155/401-403 OR 160/568 OR 180/19 OR 205/473 OR 1629/929

The legal description shown here may be condensed for assessment purposes. Exact description should be obtained from the recorded deed.

*Just (Market) Value" description - This is the value established by the Property Appraiser for ad valorem purposes. This value does not represent anticipated selling price.

Building Information

No buildings associated with this parcel.

Extra Features Data

Description	Units	Effective Year Built
No records associated with this parcel.		

Sale Information

Sale Date	Sale Price	Instrument	Deed Book	Deed Page	Sale Qualification	Vacant or Improved	Grantor
11-07-2007	\$ 600,000	WARRANTY DEED	1629	929	Unqualified	Vacant	LONE PINE REAL ESTATE INVESTORS INC
01-01-1900	\$ 164,773	N/A	0	0	Qualified	Vacant	CONVERSION

Land Information

For land plat information see [Flagler Clerk of Court Website](#)

The Flagler County Property Appraiser's Office makes every effort to produce the most accurate information possible. No warranties, expressed or implied, are provided for the data herein, its use or interpretation. The Senior Exemption Does Not Apply to All Taxing Authorities. Just (Market) Value is established by the Property Appraiser for ad valorem tax purposes. It does not represent anticipated selling price. Working values are subject to change. Website Updated: January 27, 2015

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[Sales In Area](#)

[Previous Parcel](#)

[Next Parcel](#)

[Return to Main Search](#)

[Flagler Home](#)

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[Tax Collector Bill](#) | [Show Parcel Maps](#) | [Generate Owner List By Radius](#) | [Show Assessment Notice](#) | [Show Historical Assessments](#)

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Land Information

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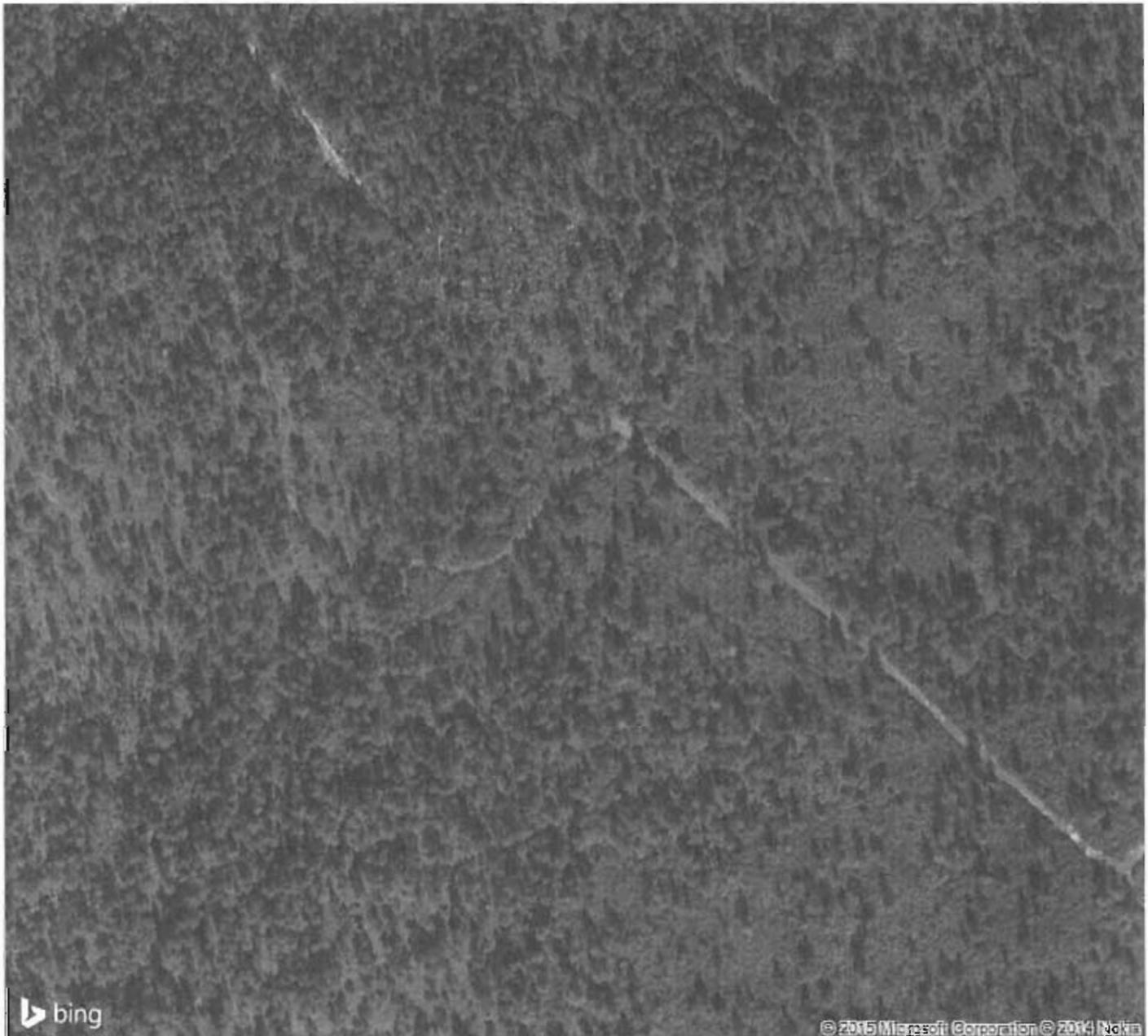
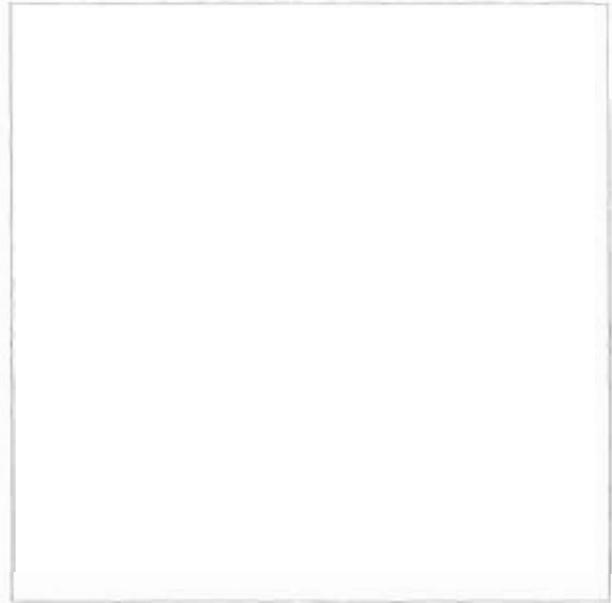
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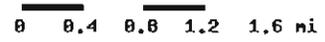
My Notes

On the go? Use m.bing.com to find maps, directions, businesses, and more

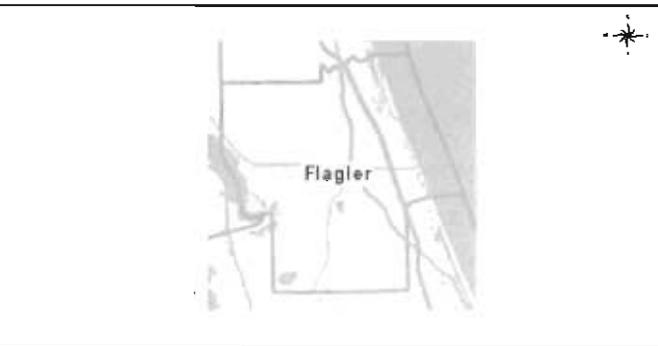




- Cities
- MLS Listings



Flagler County Property Appraiser			
Parcel: 23-14-30-0000-02020-0000 Acres: 473.11			
Name:	RELAY RIDGE LLC	Land Value	0
Site:		Building Value	0
Sale:	600,000 on 11-2007 Reason=U Oual=Y	Misc Value	0
Mail:	208 WALL STREET LOFT 301 DAYTONA BEACH, FL 32114	Just Value	814,150
		Assessed Value	89,764
		Exempt Value	0
		Taxable Value	89,764

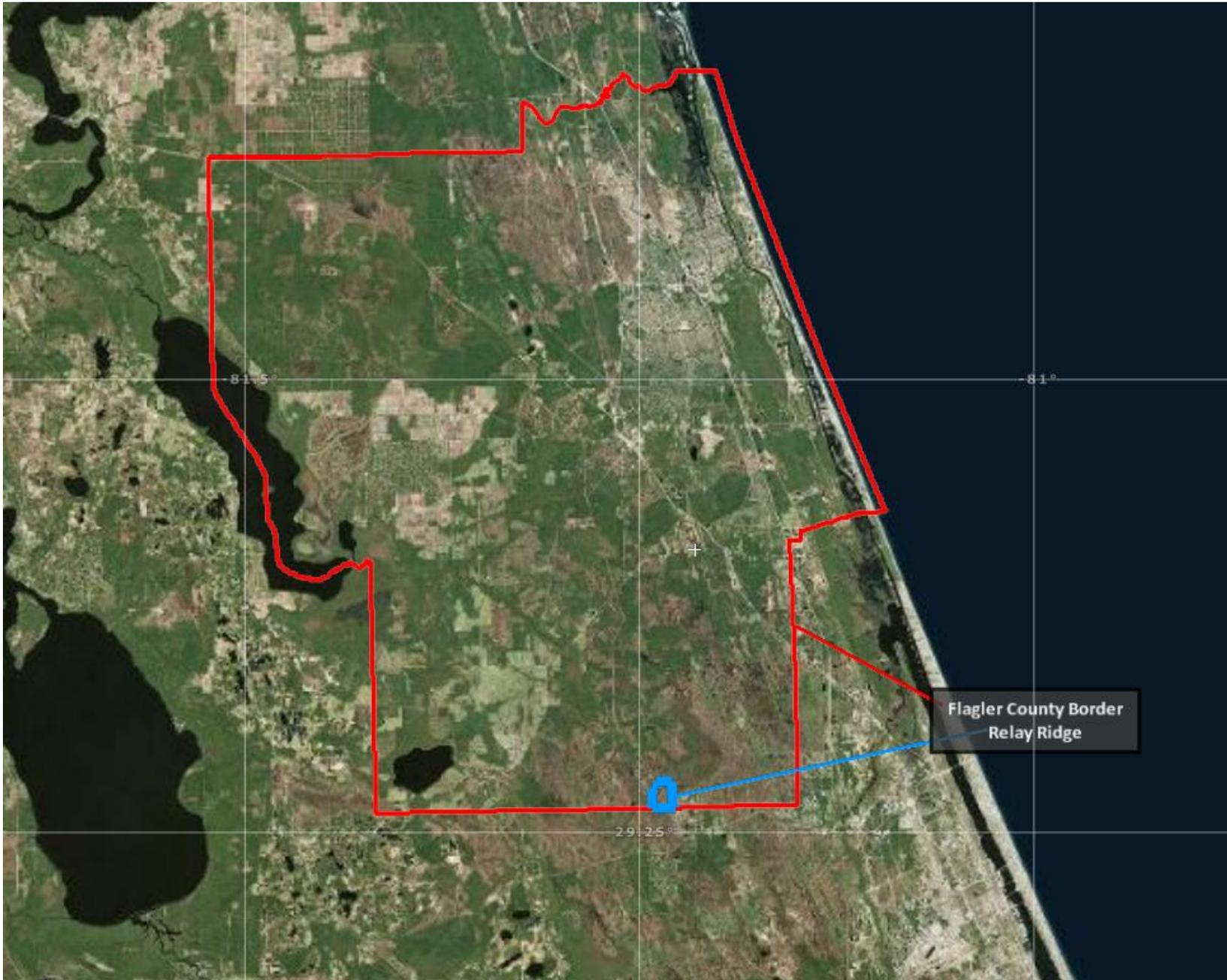


The Flagler County Property Appraiser's Office makes every effort to produce the most accurate information possible. No warranties, expressed or implied, are provided for the data herein, its use or interpretation. The assessment information is from the last certified taxroll. All data is subject to change before the next certified taxroll. PLEASE NOTE THAT THE PROPERTY APPRAISER MAPS ARE FOR ASSESSMENT PURPOSES ONLY NEITHER FLAGLER COUNTY NOR ITS EMPLOYEES ASSUME RESPONSIBILITY FOR ERRORS OR OMISSIONS ---THIS IS NOT A SURVEY---

Date printed: 02/02/15 : 09:16:17

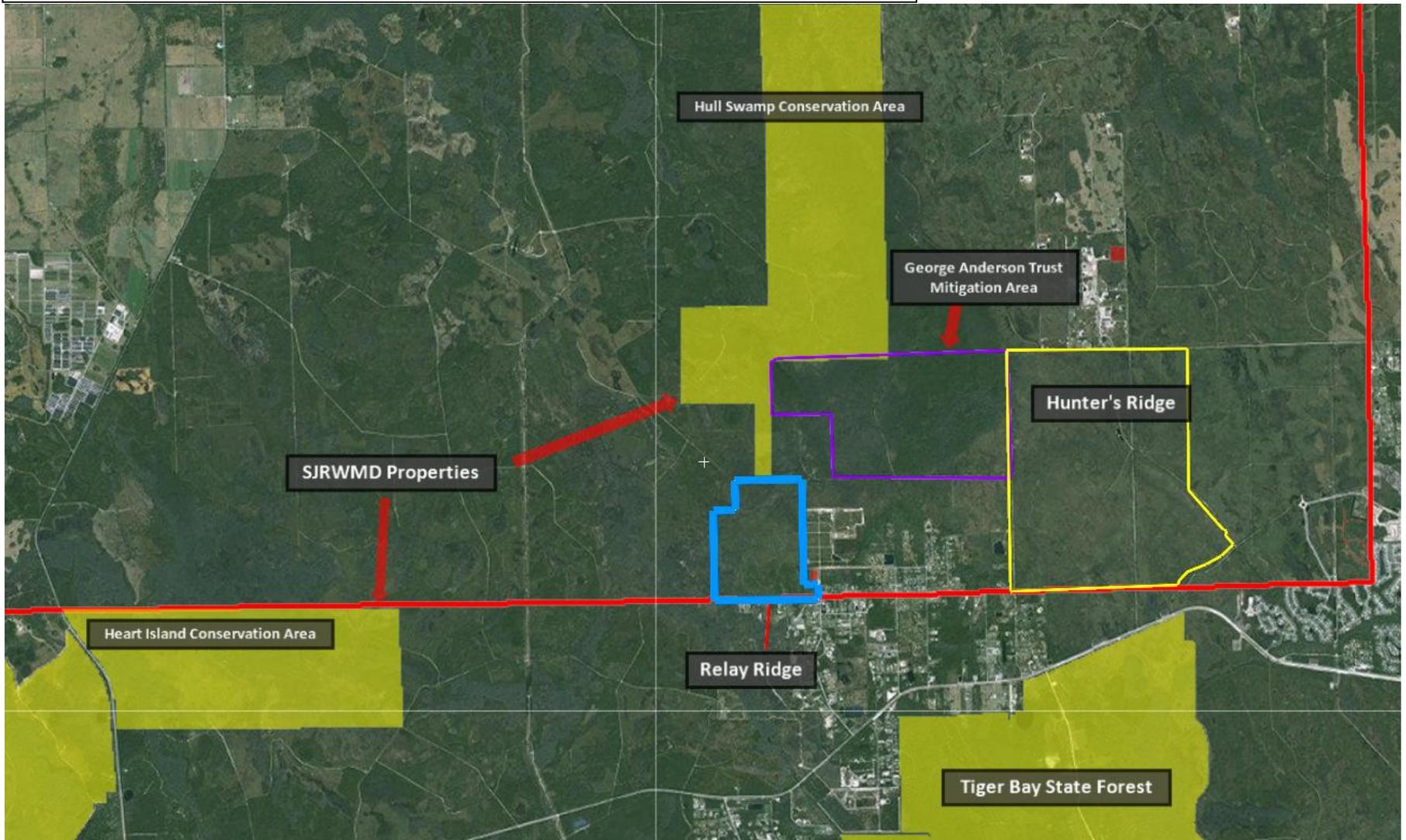
Relay Ridge Mapping for LAC Application

Figure 1: Aerial Location Map



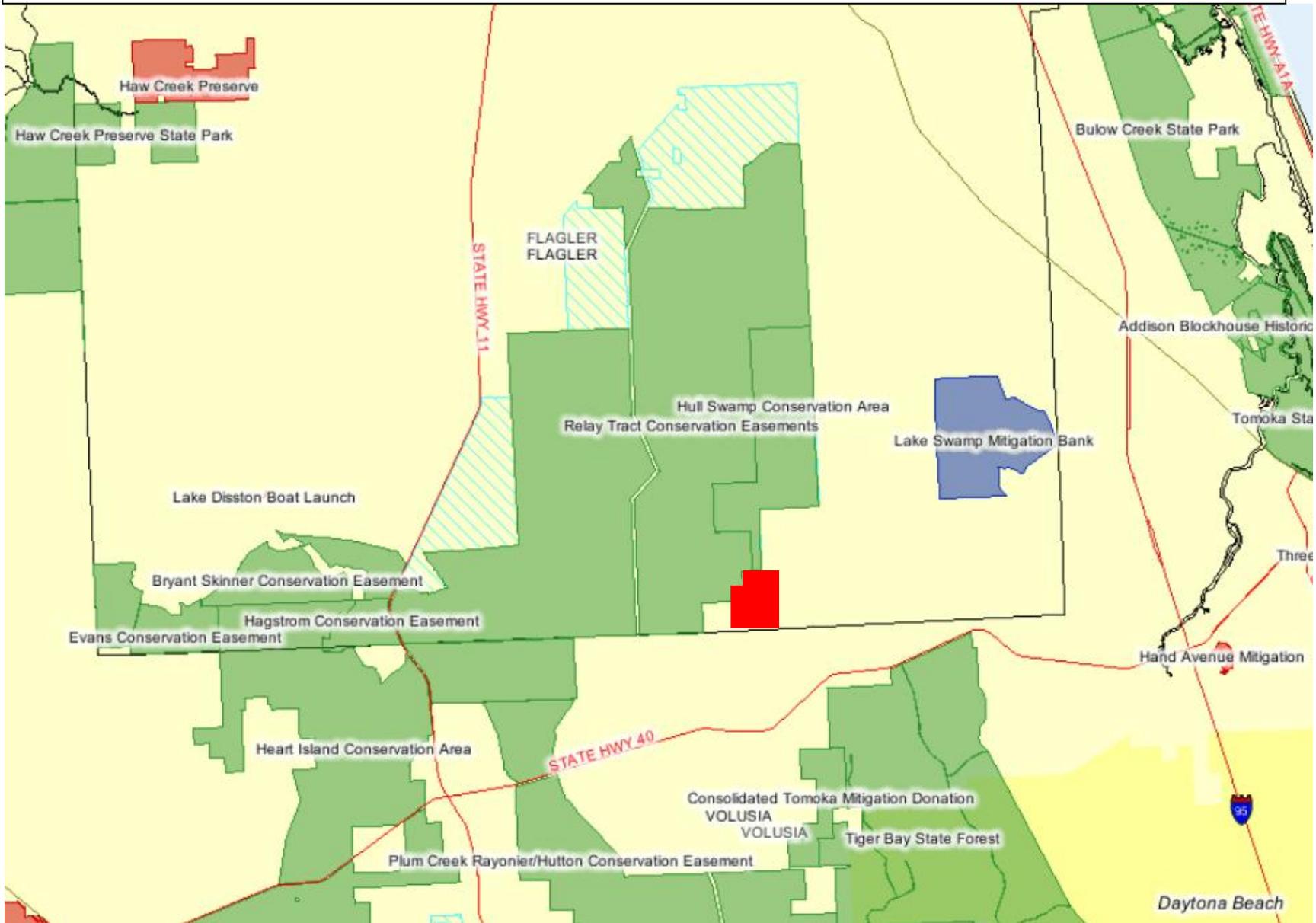
Relay Ridge Mapping for LAC Application

Figure 2a: Location Map on latest Public Lands, Conservation and Easement Map Layers



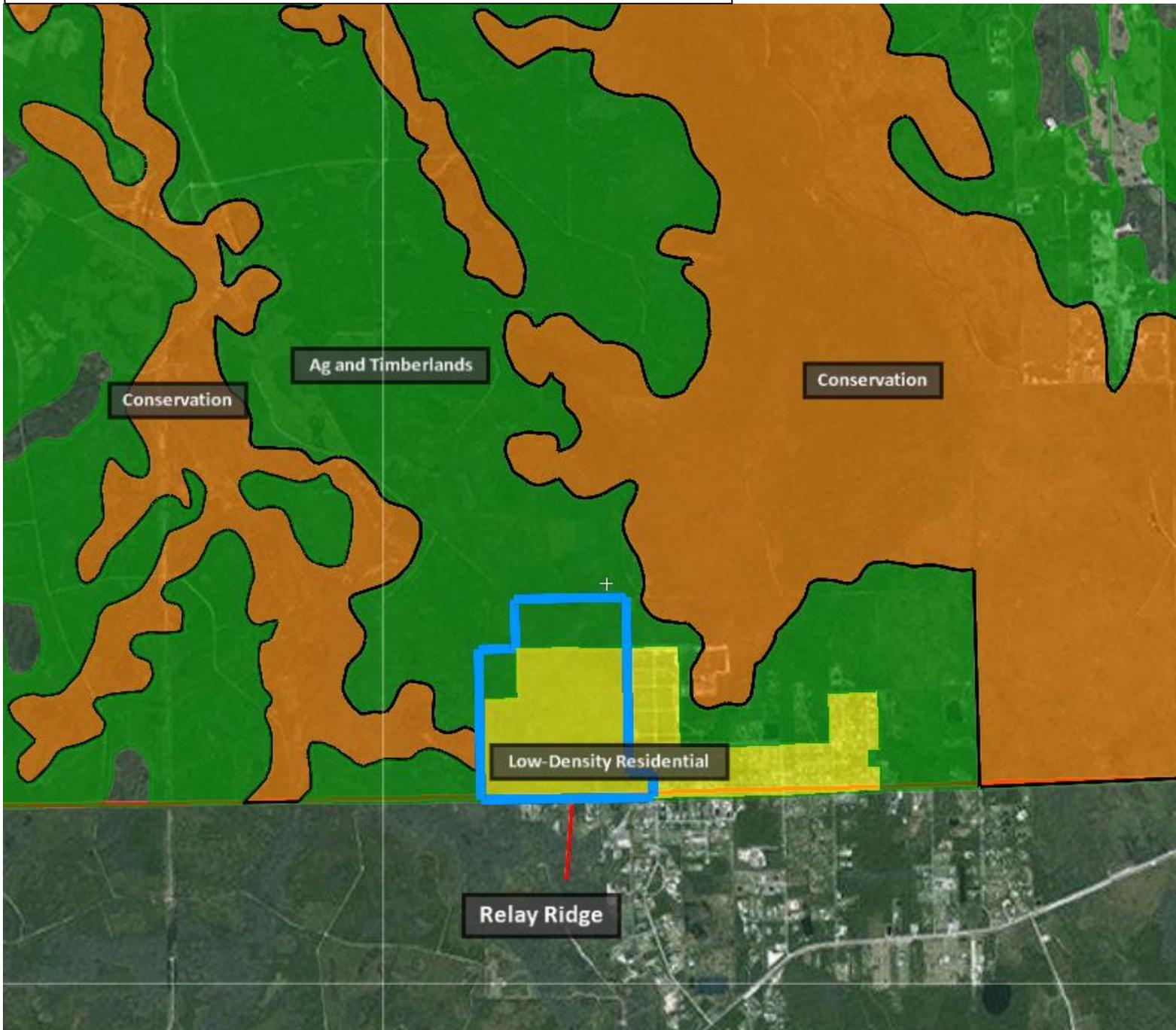
Relay Ridge Mapping for LAC Application

Figure 2b: Florida Natural Inventories Conservation Easement - Location Map on latest Public Lands, Conservation and Easement Map Layers



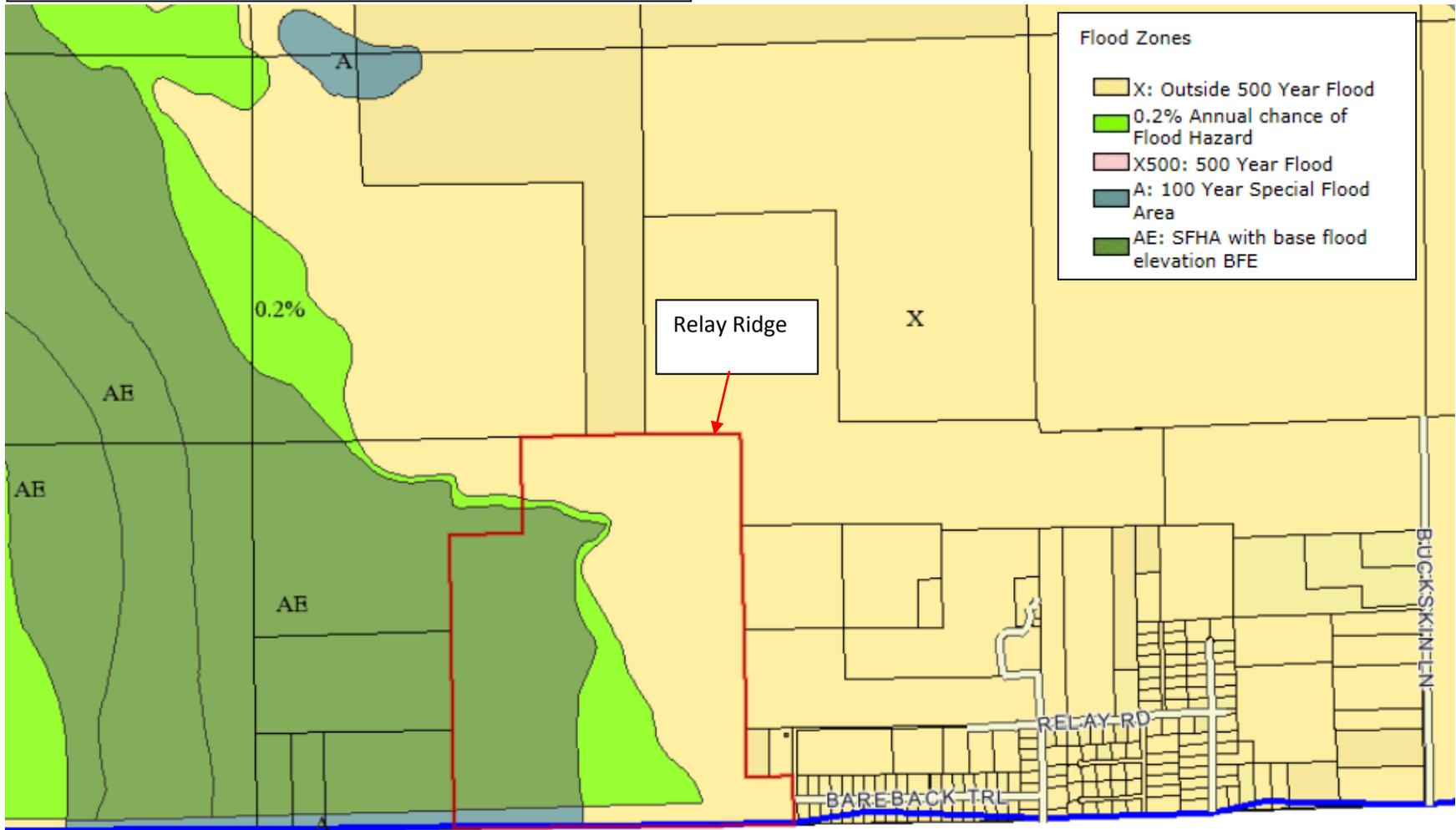
Relay Ridge Mapping for LAC Application

Figure 3: Future Land Use Map



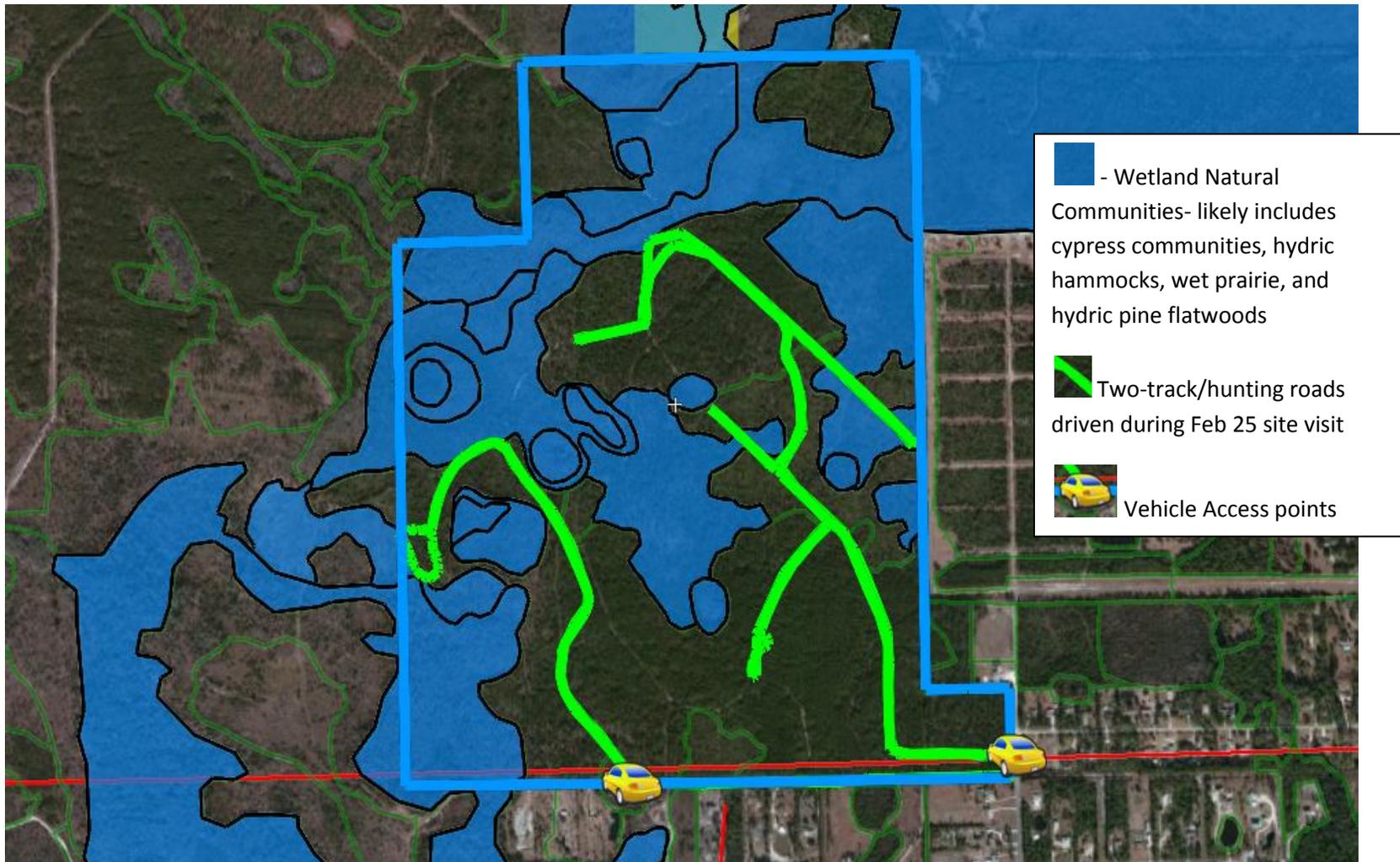
Relay Ridge Mapping for LAC Application

Figure 4: FEMA Flood Zone Map



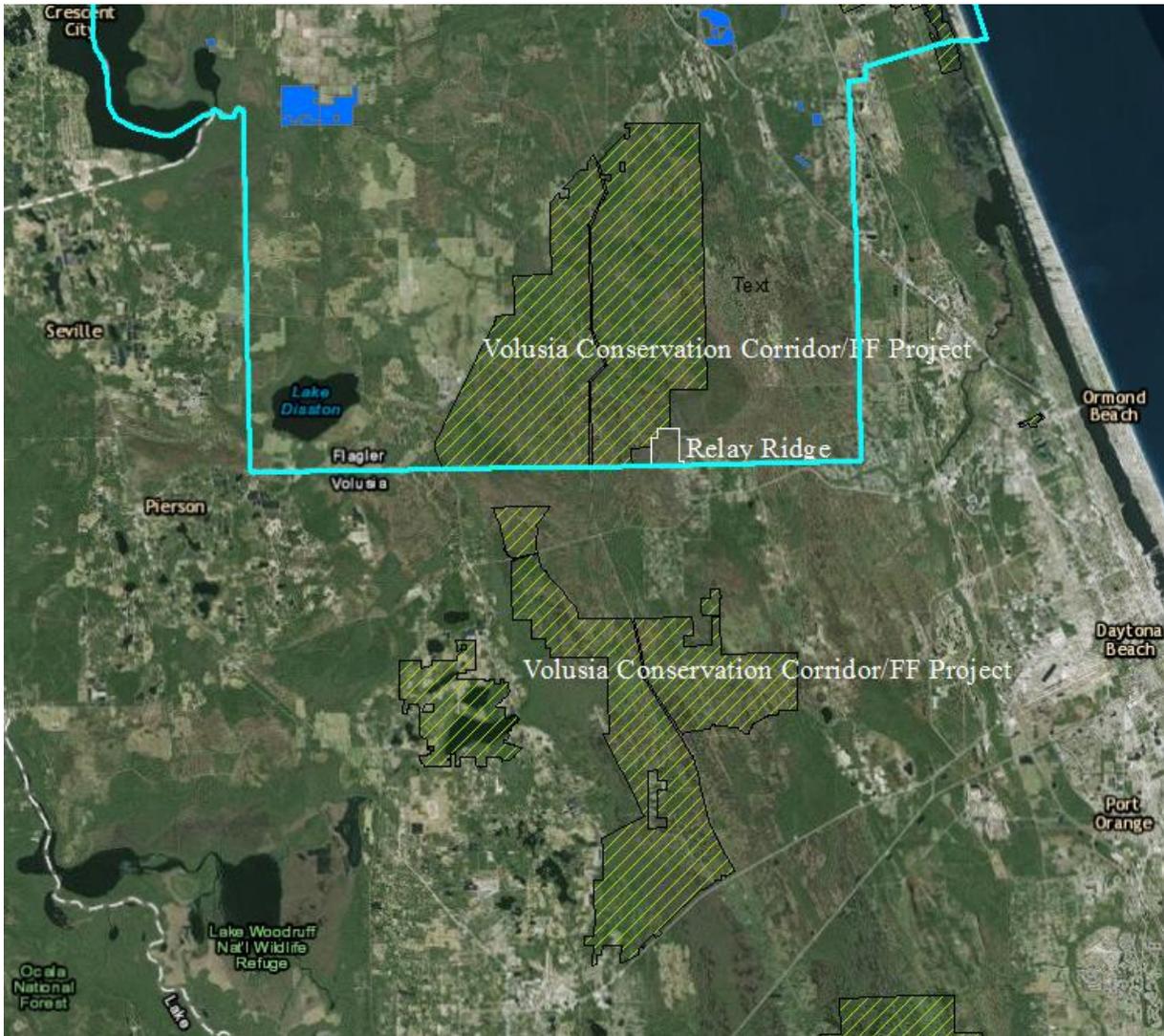
Relay Ridge Mapping for LAC Application

Figure 5: Wetland Natural Communities and driven roads. Wetland component is greater than what is shown in blue based on observation onsite



Relay Ridge Mapping for LAC Application

Figure 6: Adjacency to existing Florida Forever Projects





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

February 18, 2015

Michael Lagasse
Flagler County Administration, Building 2
1769 East Moody Blvd., Suite 309
Bunnell, FL 32110

Dear Mr. Lagasse,

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

Project: Relay Ridge Parcel
Date Received: 2/16/2015
Location: Flagler County

Element Occurrences

A search of our maps and database indicates that we currently have one element occurrences mapped in the vicinity of the study area (see enclosed map and element occurrence table). 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. Extirpated element occurrences will be marked with an 'X' following the occurrence label on the enclosed map.

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 Report). 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.

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



Florida Resources
and Environmental
Analysis Center

Institute of Science
and Public Affairs

The Florida State University

Tracking Florida's Biodiversity

Managed Areas

Portions of the site appear to be located adjacent to the Hull Swamp Conservation Area and the Relay Tract Conservation Easements, both managed by the St. Johns River Water Management District.

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 adjacent to portions of the Volusia Conservation Corridor 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 specific land management authority over these lands until they are purchased.

The Inventory always recommends that professionals familiar with Florida's flora and fauna 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 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.

This report is made available at no charge as a public service of the Florida Natural Areas Inventory.

Thank you for your use of FNAI services. If I can be of further assistance, please contact me at (850) 224-8207 or at nasco@fnai.org.

Sincerely,

Nathan Pasco

Nathan Pasco
GIS / Data Services

Encl



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

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

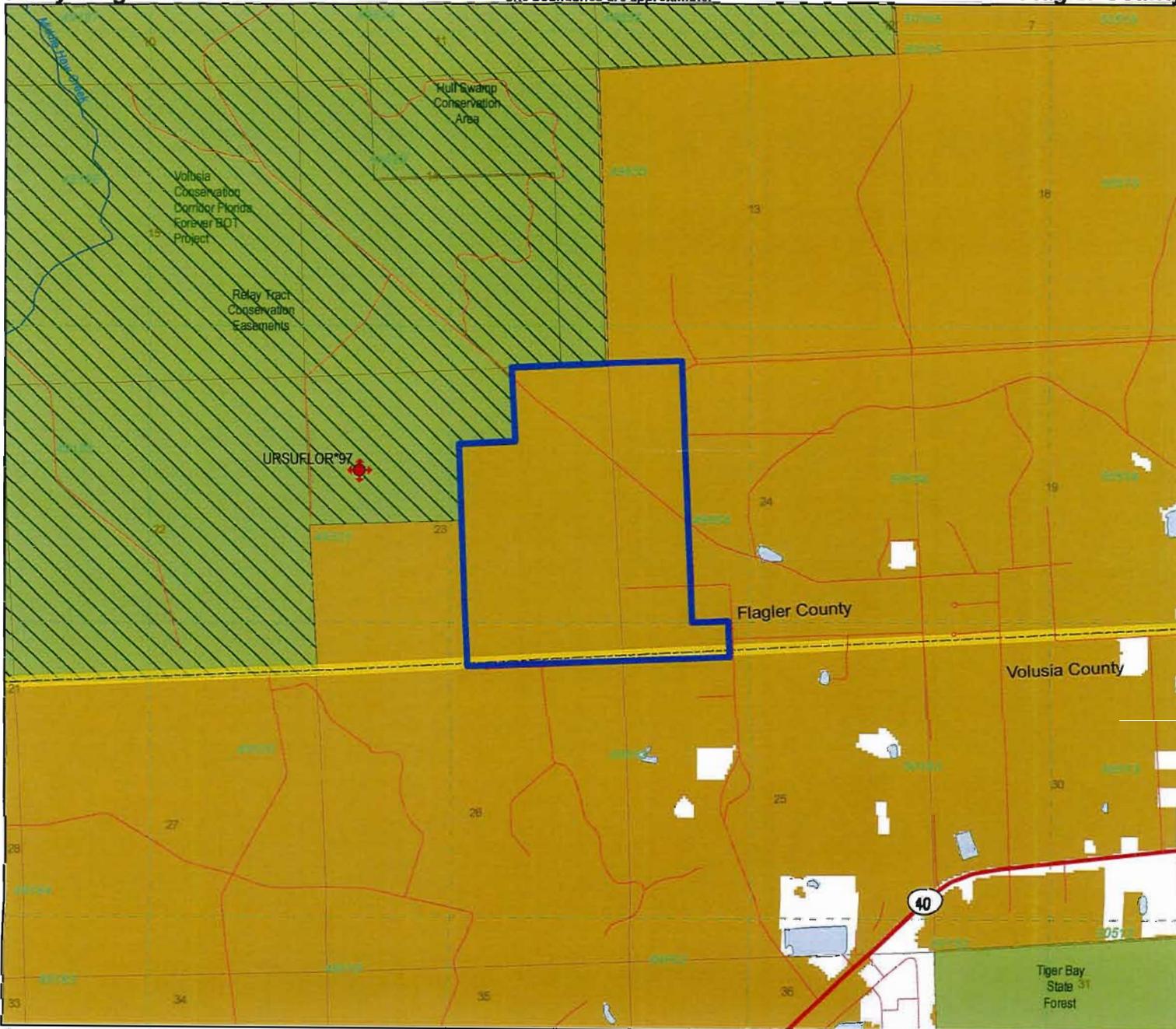
- FNAI Rare Species Habitat
- FNAI Biodiversity Matrix Square Mile Units
- County Boundary
- Interstate
- Turnpike
- Major Highway
- Local Road
- Railroad [Inactive railroads shown in Gray]
- Water

NOTE
Map should not be interpreted without accompanying documents.

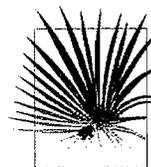
Relay Ridge Parcel

Site boundaries are approximate.

Flagler County



Map produced by NDP
2/18/2015



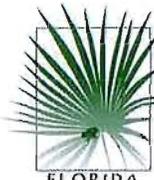
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FLORIDA
Natural Areas
INVENTORY

FNAI ELEMENT OCCURRENCE REPORT on or near Relay Ridge Parcel



Map Label	Scientific Name	Common Name	Global State Federal State Observation				Date	Description	EO Comments
			Rank	Rank	Status	Listing			
URSUFLO97	<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	N	2010	Largely private commercial timberland, nurseries, and small neighborhoods; public lands are dominated by pine plantation but also have flatwoods interspersed with dome swamps and patches of scrub(U05SIM01FLUS).	2010: Estimated population of 96-170 individuals (U05SIM01FLUS); This EO represents the Primary and Secondary Bear Ranges for the St. Johns population. Primary is the FWC-designated core area that represents breeding range and contains documented evidence



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Tallahassee, FL 32303
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Florida Natural Areas Inventory

Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Likely					
Mesic flatwoods		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork		S2	LE	FE
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	N
Potential					
<i>Arnoglossum diversifolium</i>	Variable-leaved Indian-plantain	G2	S2	N	LT
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	SSC
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Carex chapmanii</i>	Chapman's Sedge	G3	S3	N	LT
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Conradina grandiflora</i>	Large-flowered Rosemary		S3	N	LT
<i>Deeringothamnus rugelii</i>	Rugel's Pawpaw	G1	S1	LE	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	C	ST
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	ST
<i>Gymnopogon chapmanianus</i>	Chapman's Skeletongrass	G3	S3	N	N
<i>Illicium parviflorum</i>	Star Anise	G2	S2	N	LE
<i>Lechea cernua</i>	Nodding Pinweed	G3	S3	N	LT
<i>Lithobates capito</i>	Carolina Gopher Frog		S3	N	SSC
<i>Litsea aestivalis</i>	Pondspice	G3?	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Nemastylis floridana</i>	Celestial Lily		S2	N	LE
<i>Neofiber alleni</i>	Round-tailed Muskrat	G3	S3	N	N
<i>Nolina atopocarpa</i>	Florida Beargrass		S3	N	LT
<i>Picoides borealis</i>	Red-cockaded Woodpecker		S2	LE	FE
<i>Pteroglossaspis ecristata</i>	Giant Orchid	G2G3	S2	N	LT
<i>Pycnanthemum floridanum</i>	Florida Mountain-mint	G3	S3	N	LT
<i>Salix floridana</i>	Florida Willow	G2	S2	N	LE

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.

Elements and Element Occurrences

An **element** is any exemplary or rare component of the natural environment, such as a species, natural community, bird rookery, spring, sinkhole, cave, or other ecological feature.

An **element occurrence (EO)** is an area of land and/or water in which a species or natural community is, or was, present. An EO should have practical conservation value for the Element as evidenced by potential continued (or historical) presence and/or regular recurrence at a given location.

Element Ranking and Legal Status

Using a ranking system developed by NatureServe and the Natural Heritage Program Network, the Florida Natural Areas Inventory assigns two ranks for each element. The global rank is based on an element's worldwide status; the state rank is based on the status of the element in Florida. Element ranks are based on many factors, the most important ones being estimated number of Element Occurrences (EOs), estimated abundance (number of individuals for species; area for natural communities), geographic range, estimated number of adequately protected EOs, relative threat of destruction, and ecological fragility.

FNAI GLOBAL ELEMENT RANK

- 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.
- GH** = Of historical occurrence throughout its range, may be rediscovered (e.g., ivory-billed woodpecker).
- GX** = Believed to be extinct throughout range.
- GXC** = Extirpated from the wild but still known from captivity or cultivation.
- 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.
- GU** = Unrankable; due to a lack of information no rank or range can be assigned (e.g., GUT2).
- GNA** = Ranking is not applicable because the element is not a suitable target for conservation (e.g. a hybrid species).
- GNR** = Element not yet ranked (temporary).
- GNRTR** = Neither the element nor the taxonomic subgroup has yet been ranked.

FNAI STATE ELEMENT RANK

- S1** = Critically imperiled in Florida 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.
- S2** = Imperiled in Florida 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.
- S3** = Either very rare and local in Florida (21-100 occurrences or less than 10,000 individuals) or found locally in a restricted range or vulnerable to extinction from other factors.
- S4** = Apparently secure in Florida (may be rare in parts of range).
- S5** = Demonstrably secure in Florida.
- SH** = Of historical occurrence in Florida, possibly extirpated, but may be rediscovered (e.g., ivory-billed woodpecker).
- SX** = Believed to be extirpated throughout Florida.
- SU** = Unrankable; due to a lack of information no rank or range can be assigned.
- SNA** = State ranking is not applicable because the element is not a suitable target for conservation (e.g. a hybrid species).
- SNR** = Element not yet ranked (temporary).

FEDERAL LEGAL STATUS

Legal status information provided by FNAI for information only. For official definitions and lists of protected species, consult the relevant federal agency.

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.

- C** = Candidate species for which federal listing agencies have sufficient information on biological vulnerability and threats to support proposing to list the species as Endangered or Threatened.
- E** = Endangered: species in danger of extinction throughout all or a significant portion of its range.
- E, T** = Species currently listed endangered in a portion of its range but only listed as threatened in other areas
- E, PDL** = Species currently listed endangered but has been proposed for delisting.
- E, PT** = Species currently listed endangered but has been proposed for listing as threatened.
- E, XN** = Species currently listed endangered but tracked population is a non-essential experimental population.
- T** = Threatened: species likely to become Endangered within the foreseeable future throughout all or a significant portion of its range.
- PE** = Species proposed for listing as endangered
- PS** = Partial status: some but not all of the species' infraspecific taxa have federal
- PT** = Species proposed for listing as threatened
- SAT** = Treated as threatened due to similarity of appearance to a species which is federally listed such that enforcement personnel have difficulty in attempting to differentiate between the listed and unlisted species.
- SC** = Not currently listed, but considered a "species of concern" to USFWS.

STATE LEGAL STATUS

Provided by FNAI for information only. For official definitions and lists of protected species, consult the relevant state agency.

Animals: Definitions derived from "Florida's Endangered Species and Species of Special Concern, Official Lists" published by Florida Fish and Wildlife Conservation Commission, 1 August 1997, and subsequent updates.

- C** = Candidate for listing at the Federal level by the U. S. Fish and Wildlife Service
- FE** = Listed as Endangered Species at the Federal level by the U. S. Fish and Wildlife Service
- FT** = Listed as Threatened Species at the Federal level by the U. S. Fish and Wildlife Service
- FXN** = Federal listed as an experimental population in Florida
- FT(S/A)** = Federal Threatened due to similarity of appearance
- ST** = State population listed as Threatened 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.
- SSC** = 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. (SSC* for *Pandion haliaetus* (Osprey) indicates that this status applies in Monroe county only.)
- 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 see: <http://www.doacs.state.fl.us/pi/>.

- E** = Endangered: species of plants native to Florida 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; includes all species determined to be endangered or threatened pursuant to the U.S. Endangered Species Act.
- T** = Threatened: 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 number as to cause them to be Endangered.
- N** = Not currently listed, nor currently being considered for listing.

Element Occurrence Ranking

FNAI ranks of quality of the element occurrence in terms of its viability (EORANK). Viability is estimated using a combination of factors that contribute to continued survival of the element at the location. Among these are the size of the EO, general condition of the EO at the site, and the conditions of the landscape surrounding the EO (e.g. an immediate threat to an EO by local development pressure could lower an EO rank).

- A** = Excellent estimated viability
- A?** = Possibly excellent estimated viability
- AB** = Excellent or good estimated viability
- AC** = Excellent, good, or fair estimated viability
- B** = Good estimated viability
- B?** = Possibly good estimated viability
- BC** = Good or fair estimated viability
- BD** = Good, fair, or poor estimated viability
- C** = Fair estimated viability
- C?** = Possibly fair estimated viability
- CD** = Fair or poor estimated viability
- D** = Poor estimated viability
- D?** = Possibly poor estimated viability
- E** = Verified extant (viability not assessed)
- F** = Failed to find
- H** = Historical
- NR** = Not ranked, a placeholder when an EO is not (yet) ranked.
- U** = Unrankable
- X** = Extirpated

*For additional detail on the above ranks see: <http://www.natureserve.org/explorer/eorankguide.htm>

FNAI also uses the following EO ranks:

- H?** = Possibly historical
- F?** = Possibly failed to find
- X?** = Possibly extirpated

The following offers further explanation of the H and X ranks as they are used by FNAI:

The rank of H is used when there is a lack of recent field information verifying the continued existence of an EO, such as (a) when an EO is based only on historical collections data; or (b) when an EO was ranked A, B, C, D, or E at one time and is later, without field survey work, considered to be possibly extirpated due to general habitat loss or degradation of the environment in the area. This definition of the H rank is dependent on an interpretation of what constitutes "recent" field information. Generally, if there is no known survey of an EO within the last 20 to 40 years, it should be assigned an H rank. While these time frames represent suggested maximum limits, the actual time period for historical EOs may vary according to the biology of the element and the specific landscape context of each occurrence (including anthropogenic alteration of the environment). Thus, an H rank may be assigned to an EO before the maximum time frames have lapsed. Occurrences that have not been surveyed for periods exceeding these time frames should not be ranked A, B, C, or D. The higher maximum limit for plants and communities (i.e., ranging from 20 to 40 years) is based upon the assumption that occurrences of these elements generally have the potential to persist at a given location for longer periods of time. This greater potential is a reflection of plant biology and community dynamics. However, landscape factors must also be considered. Thus, areas with more anthropogenic impacts on the environment (e.g., development) will be at the lower end of the range, and less-impacted areas will be at the higher end.

The rank of X is assigned to EOs for which there is documented destruction of habitat or environment, or persuasive evidence of eradication based on adequate survey (i.e., thorough or repeated survey efforts by one or more experienced observers at times and under conditions appropriate for the Element at that location).

Volusia Conservation Corridor

Volusia and Flagler Counties

Partnerships

Purpose for State Acquisition

Public acquisition of this project will increase the protection of Florida's biodiversity at the species, natural community, and landscape levels and provides a continuous corridor of environmentally significant land from the Tiger Bay State Forest, through the central wetlands and flatwoods of Volusia County, to the marshes of the St. Johns River. This project will also increase natural resource-based public recreation, educational opportunities, and potential for recreational or other public uses on the fee simple acquisition lands. This project will help ensure that sufficient quantities of water are available to meet the current and future needs of natural systems and the citizens of the state. Some areas contain moderate to good recharge to the Florida aquifer, which mainly occurs through the rainfall events.

Manager

St. Johns River Water Management District (SJRWMD); Volusia County.

General Description

The property is located in central Volusia County, stretching from north of SR44, fourteen miles south to the St. Johns River. It is generally low and wet, consisting of alternating flatwoods and swamp, which occupy the northwest/southeast-trending ridge and swale topography that borders the eastern edge of the DeLand Ridge. It includes the parallel, southward-flowing drainages of Deep Creek and Lake Ashby canal, which empty into the St. Johns River. Natural communities include: Basin Swamp and Hydric Hammock, Mesic Flatwoods, Scrub, and Dome Swamp.

Volusia Conservation Corridor FNAI Elements	
Florida Black Bear	G5T2/S2
Gopher Tortoise	G3/S3
<i>Lake-side Sunflower</i>	G1G2/S1S2
Florida Sandhill Crane	G5T2T3/S2S3
<i>Large-flowered Rosemary</i>	G3/S3
Bachman's Sparrow	G3/S3
Bald Eagle	G5/S3
7 rare species are associated with the project	

Public Use

Fee acquisition areas have the potential of providing a variety of resource-based outdoor recreation opportunities such as, but not necessarily limited to, hiking, nature study, horseback riding, bicycling, camping, picnicking, freshwater fishing and hunting. Further review may reflect cabins to be suitable, particularly if a combination of lands is acquired that would allow for a more complete park or environmental education center atmosphere.

Acquisition Planning

On January 25, 2001, the Acquisition and Restoration Council (ARC) added the Volusia Conservation Corridor project to Group B of the Florida Forever (FF) 2001 Priority list. This fee-simple and less-than-fee acquisition, sponsored by the SJRWMD, consisted of approximately 33,503 acres, multiple owners, and a 2000 taxable value of \$20,409,504. The essential parcels were defined as Leffler Co., Le Fils Corp. (easement acquired), Julia Menard (acquired), GJPS Lukas Inc., Jonathan S. Lukas, Gertrude G. Lukas, Donald Ray Fore (acquired), Norman N. Fore (acquired), Marvin Kelley Fore (acquired), Mark Fore et al., Lynda Russell Schroeder, and JAS Properties LTD ownerships.

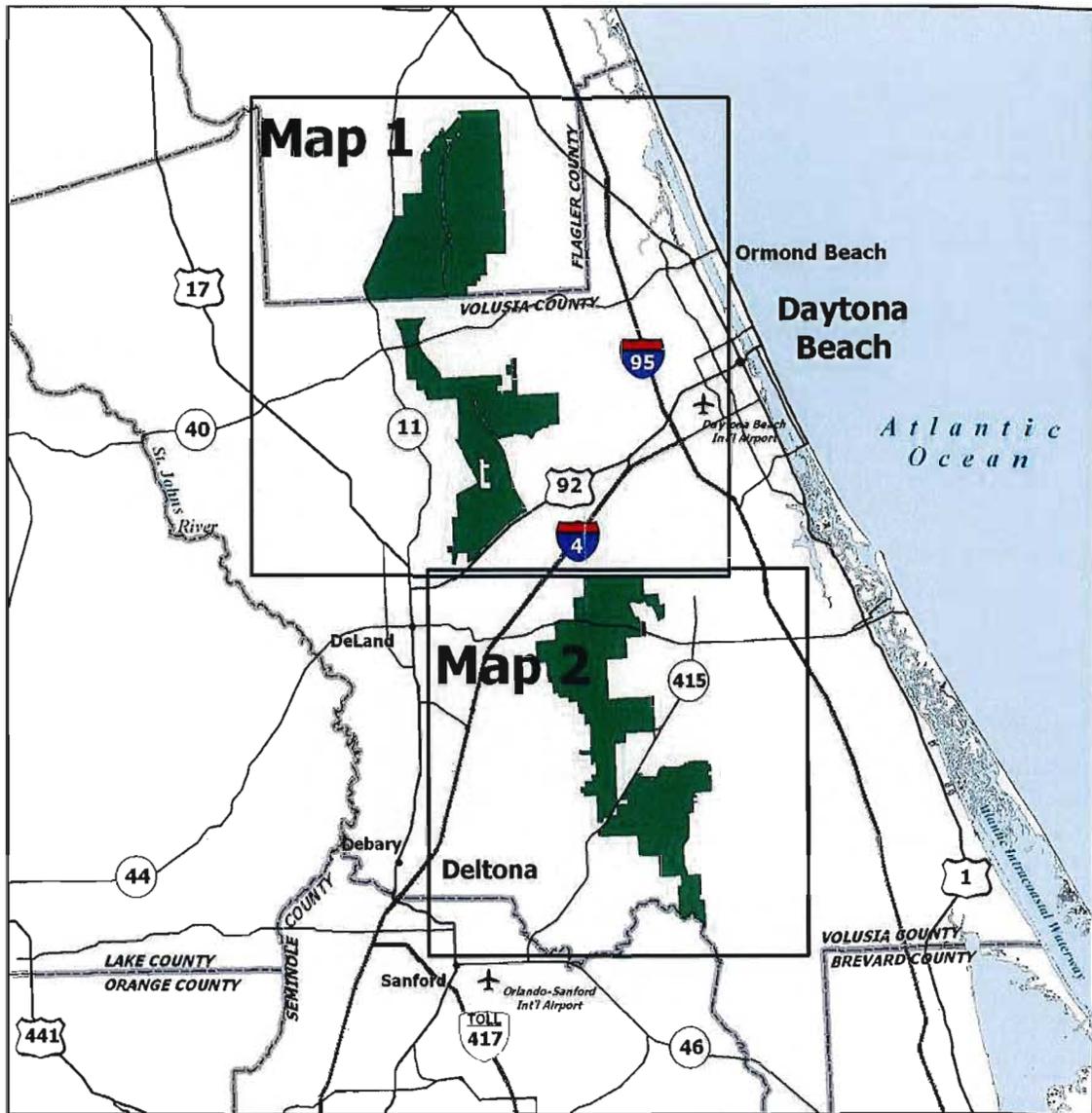
On June 6, 2002, the ARC moved the project to Group A of the FF 2002 Priority list.

On August 15, 2002, the ARC approved a less-than-fee 11,723-acre and fee-simple 7,654-acre addition to the project boundary. The 19,369-acre addition, sponsored by the SJRWMD, consisted of two owners,

Placed on List	2001
Project Area (GIS Acres)	79,004
Acres Acquired (GIS)	60,725*
at a Cost of	\$76,566,247*
Acres Remaining (GIS)	18,279
with Estimated (Tax Assessed) Value of	\$11,598,844

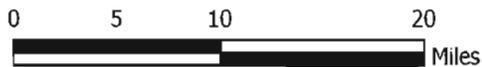
*Includes acreage and expenditures by the SJRWMD, Volusia County, and USDA through 11/2011.

Volusia Conservation Corridor



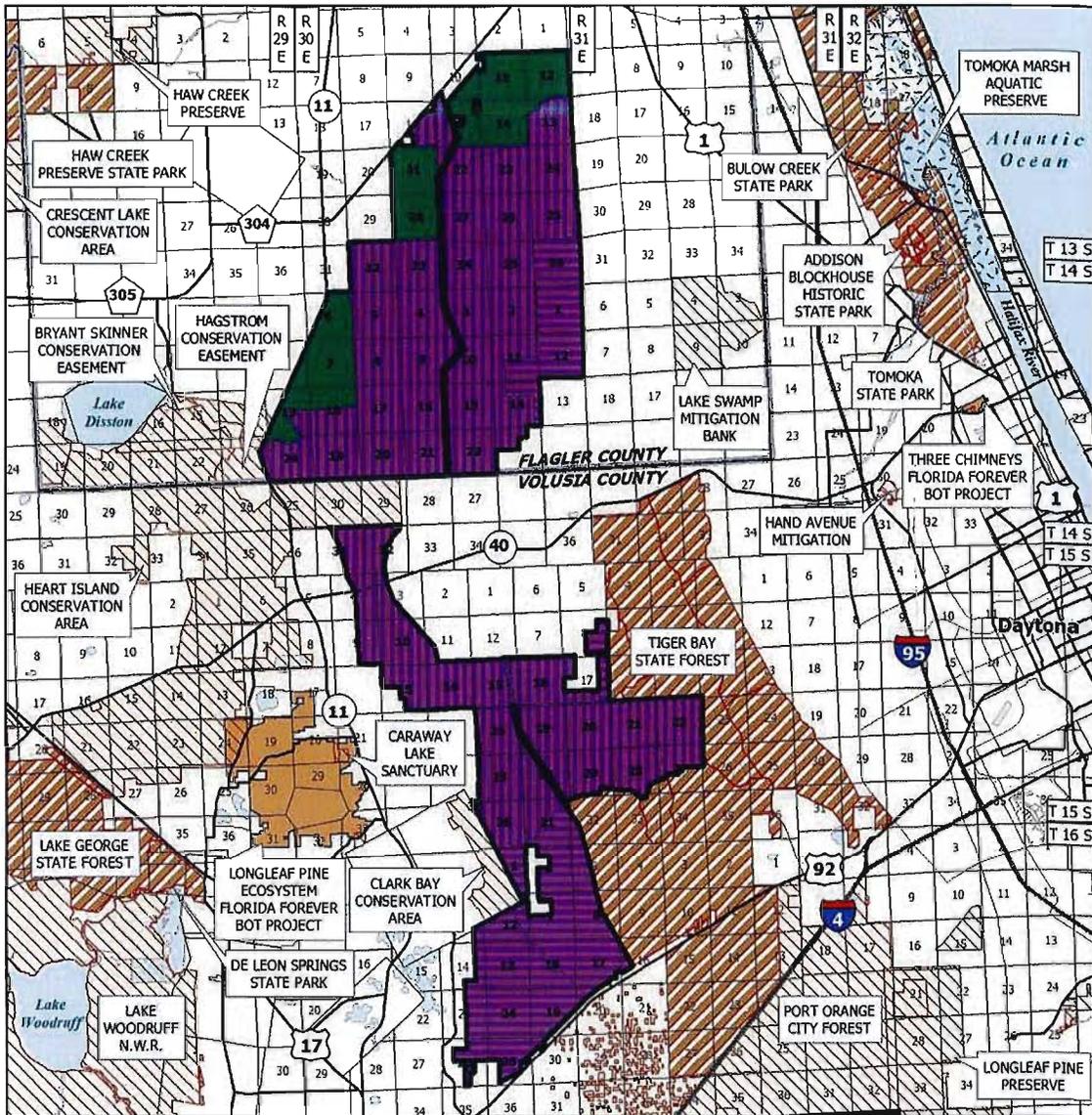
VOLUSIA CONSERVATION CORRIDOR: OVERVIEW

VOLUSIA AND FLAGLER COUNTIES



MAY 2006

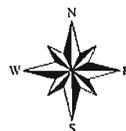
Volusia Conservation Corridor



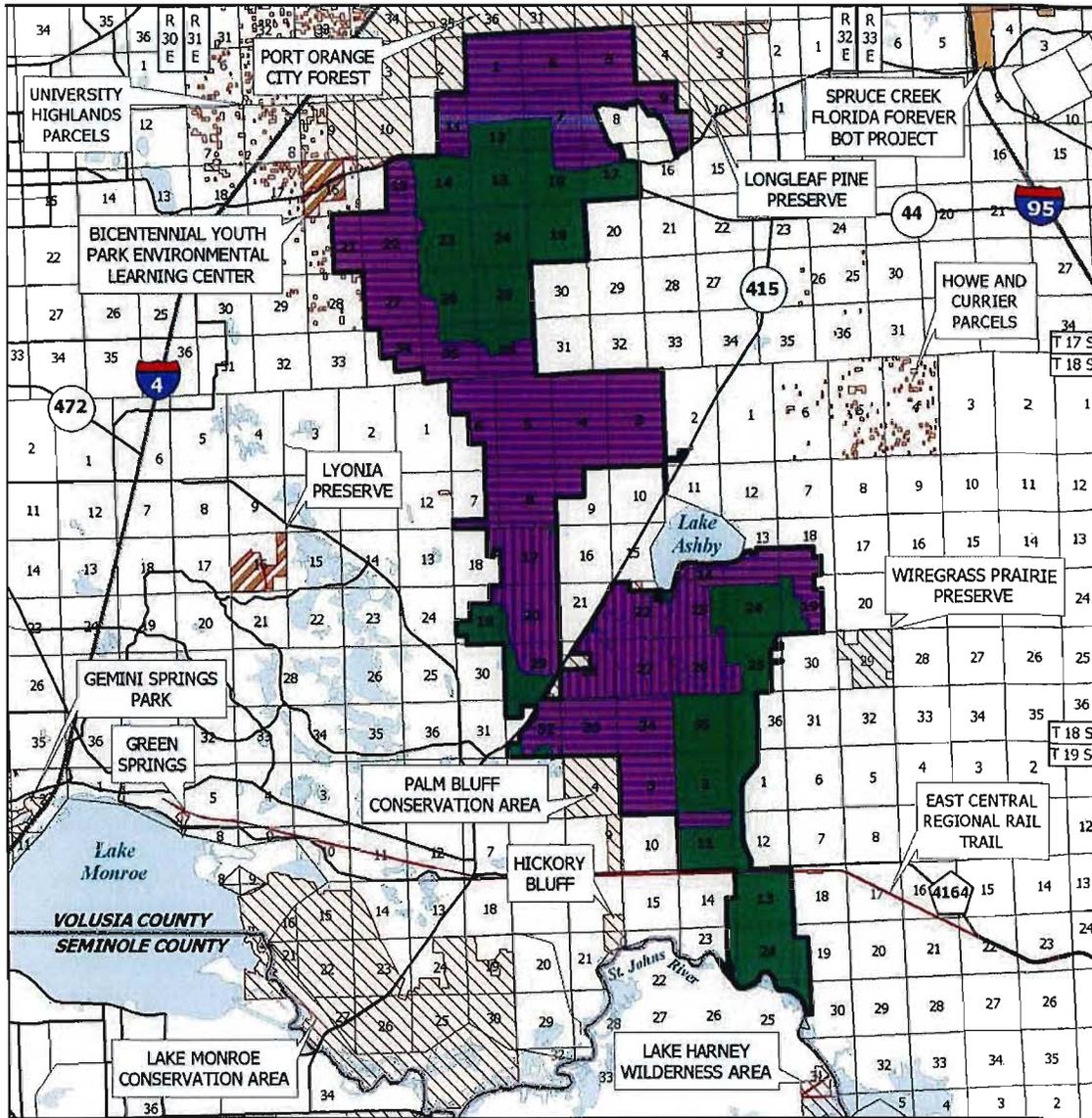
VOLUSIA CONSERVATION CORRIDOR: MAP 1 OF 2

VOLUSIA AND FLAGLER COUNTIES

-  Florida Forever BOT Project Boundary
-  Acquired for Conservation (Less-Than-Fee)
-  Acquired for Conservation (Fee Simple)
-  Essential Parcel(s) Remaining
-  Other Florida Forever BOT Projects
-  State Owned Lands
-  Other Conservation Lands
-  State Aquatic Preserves



SEPTEMBER 2013



VOLUSIA CONSERVATION CORRIDOR: MAP 2 OF 2

VOLUSIA COUNTY

-  Florida Forever BOT Project Boundary
-  Acquired for Conservation (Fee Simple)
-  Acquired for Conservation (Less-Than-Fee)
-  Essential Parcel(s) Remaining
-  Other Florida Forever BOT Projects
-  State Owned Lands
-  Other Conservation Lands



APRIL 2012

Volusia Conservation Corridor

Plum Creek and Rayonier, and with a 2002 taxable value of \$8,932,495.

On June 6, 2003, the ARC approved a less-than-fee addition, in Flagler and Volusia counties, to the project boundary. The 26,740-acre addition, sponsored by the SJRWMD, consisted of one owner, Plum Creek Timberlands LP, with a 2002 taxable value of \$3,830,639.

In December 2004, Volusia County, with help from SJRWMD and the United States Department of Agriculture (USDA), acquired a 1,711-acre conservation easement over the Le Fils Corporation property.

In April 2007, the SJRWMD and Volusia County acquired 2,272 acres as a joint-acquisition. Each partner owns an undivided 50-percent interest in the property acquired from State Road 44 Properties, LLC for \$10,850,420.

On December 15, 2010, Volusia County closed on the 4,806-acre Leffler Ranch for \$28.8 million. The County will manage this property.

On November 22, 2011 SJRWMD purchased the Lukas Ranch Conservation Easement (1,093 acres) from Jonathan S. Lukas, as Trustee of the Jonathan S. Lukas Trust Agreement for \$1,912,697.50, comprised of a donation of value (\$478,174.38) from the Seller, \$956,348.75 from a USDA/NRCS Farm and Ranch Lands Protection Program grant, and \$478,174.38 from SJRWMD.

Coordination

The SJRWMD, the Florida Forest Service/FFS of the Florida Department of Agriculture and Consumer Services, Volusia County and United States Department of Agriculture (USDA) are acquisition partners. Volusia County passed two bond measures in 2000 that will generate approximately \$80 million for open space land acquisition, historic preservation and improvements over the next twenty years.

Management Policy Statement

The primary goals of management of the Volusia Conservation Corridor project are to conserve and protect significant water resources in a priority water resource caution area; and to conserve, protect, manage,

or restore important ecosystems, landscapes, and forests, in order to enhance or protect significant timber, recreation, fish or wildlife resources which local or state regulatory programs cannot adequately protect.

Management Prospectus

Qualifications for state designation The need to protect water resources within the caution area, combined with the restorable pine plantations, make it desirable for management by the SJRWMD.

Manager The SJRWMD is recommended as Manager.

Conditions affecting intensity of management

The wildfires of 1998 impacted properties within the project, but most of the affected areas have been salvaged and replanted. Consequently, there are no known major disturbances that will require extraordinary attention so management intensity is expected to be typical for water management district lands.

Timetable for implementing management and provisions for security and protection of infrastructure

Once the core area is acquired, the SJRWMD will provide public access for low intensity, non-facilities-related outdoor recreation. Initial activities will include securing the site, providing public and fire management accesses, inventorying resources, and removing trash. The District will provide access to the public while protecting sensitive resources. The site'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 this project will generally be directed toward restoring disturbed areas to their original conditions, as far as possible, as well as protecting threatened and endangered species. Some of the pinelands have been degraded by timbering and wildfire and will require restoration. 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. Infrastructures will primarily be located in disturbed areas and will be the minimum required for management and public access.

Revenue-generating potential The District will 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 low. *Cooperators in management activities* The District will cooperate with Volusia County and seek the assistance of other state agencies, local government entities and interested parties as appropriate.

Management Cost Summary/SJRWMD

Category Source of Funds	Startup WMLTF	Recurring WMLTF
Salary	\$45,000	\$45,000
OPS	0	0
Expense	\$80,000	\$80,000
OCO	\$20,000	\$60,000
FCO	\$100,000	0
TOTAL	\$345,000	\$185,000

Update 2/19/2014





Atlas of Florida's Natural Heritage

Biodiversity, Landscapes, Stewardship, and Opportunities



The Florida Natural Areas Inventory is pleased to announce the publication of the ***Atlas of Florida's Natural Heritage: Biodiversity, Landscapes, Stewardship, and Opportunities***. This high-quality, full-color *Atlas* is sure to become a standard reference for anyone involved in the conservation, management, study, or enjoyment of Florida's rich natural resources. We hope the *Atlas* will inspire, educate, and raise awareness of and interest in biodiversity and conservation issues.



Institute of Science and Public Affairs



AUDIENCE:

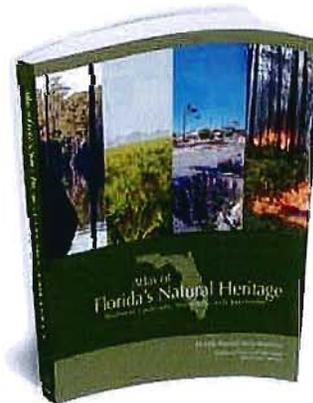
The ***Atlas of Florida's Natural Heritage: Biodiversity, Landscapes, Stewardship, and Opportunities*** was envisioned as a resource that would appeal to a wide-ranging audience. Through its use of colorful maps, graphics, and photography, Florida's Natural Heritage and appeal is dramatically highlighted. It is intended to appeal to a wide audience. Hopefully, it will increase awareness of the resources we take for granted, and the challenges we face in preserving them.

It is for those who are informed, interested, and/or influential in environmental issues, but may lack specific information and expertise. These may include planners, policymakers, and environmental/conservation advocates from the local to state level. It is also for environmental/conservation/natural resource managers. While the atlas may not provide "new information" to this audience, it will serve as a useful reference that brings many of the elements of biodiversity together in one publication. The final audience are the citizens of Florida and those who may visit our state.

We want the atlas to inspire, educate, and raise awareness of and the interest in biodiversity and conservation issues. Florida's biodiversity is not only important to maintain our quality of life, but it is a primary reason why so many people visit our state.

FEATURES INCLUDE:

- 176 pages, 10" x 12" format, soft cover and hard cover editions
- Visually striking presentation with hundreds of maps, photos, illustrations, and other information-rich graphics
- Wide-ranging overview of natural communities and over 400 species of plants, and animals
- Coverage of timely conservation and land management issues



Learn more about the *Atlas*, view sample pages and order your copy today at:

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