



1018 Thomasville Road
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www.fnai.org

Lauren Brothers
Lake County Department of Public Works
31150 Industry Drive
Tavares, FL 32778

November 21, 2008

Dear Ms. Brothers,

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: County Road 561A
Date Received: November 13, 2008
Location: Lake County

Based on the information available, this site appears to be located on or very near a significant region of scrub habitat, a natural community in decline that provides important habitat for several rare species within a small area. Additional consideration should be given to avoid and/or mitigate impacts to these natural resources, and to design land uses that are compatible with these resources.

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 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.

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

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



Florida Resources
and Environmental
Analysis Center

Institute of Science
and Public Affairs

The Florida State University

Tracking Florida's 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 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.

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 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.

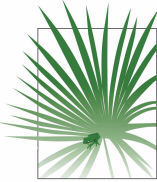
This report is made available at no charge due to funding from the Florida Department of Environmental Protection, Division of State Lands.

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,

Lindsay Horton

Lindsay Horton
Data Services Coordinator



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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

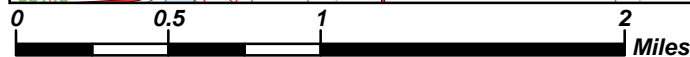
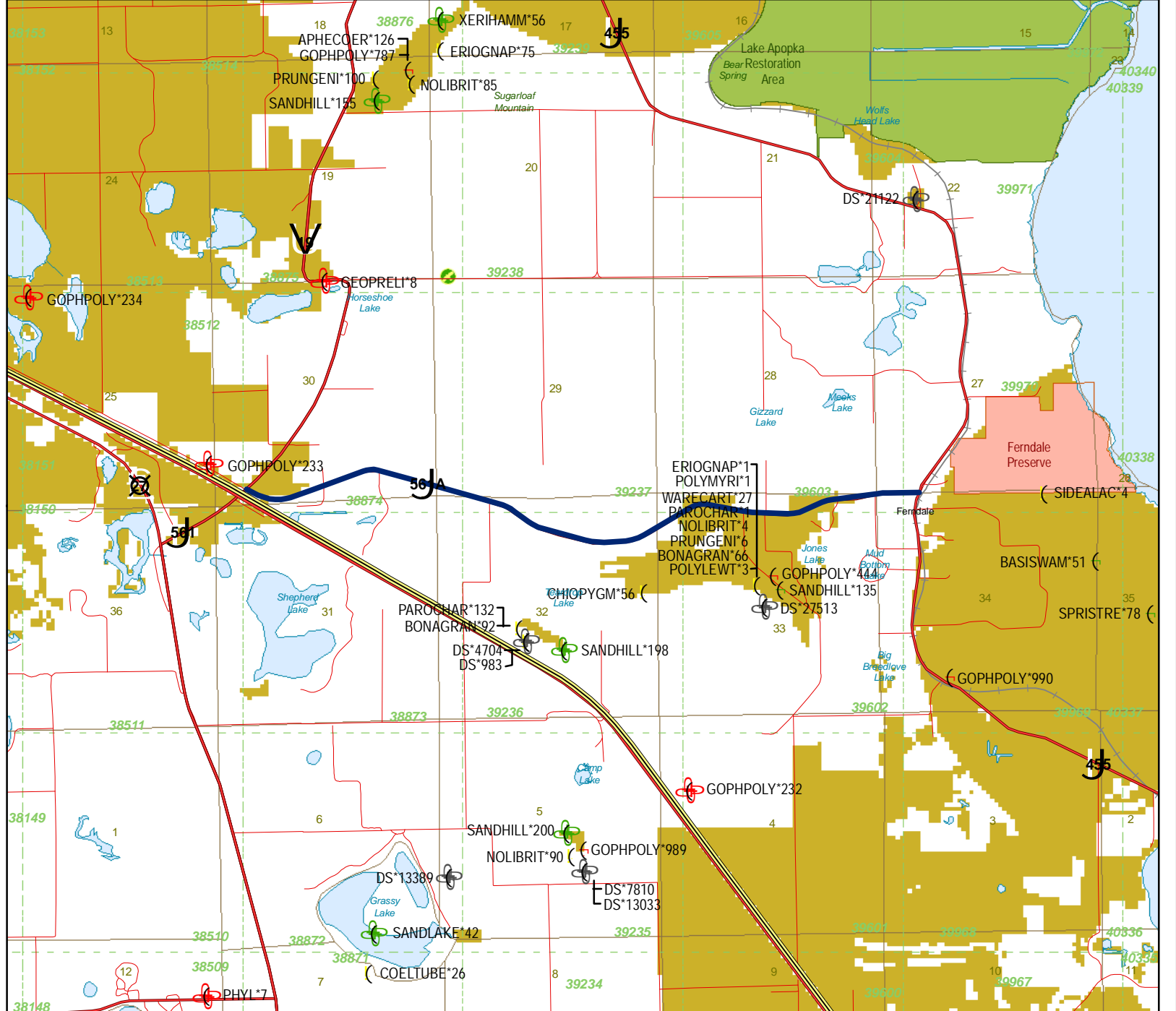
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NOTE
Map should not be interpreted without
accompanying documents.

County Road 561A

Site boundaries are approximate.

Lake County



Map produced by LHH
Map Date: 21 NOV 2008



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			Rank	Rank	Status	Listing			
GOPHPOLY*233	Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT	1981-06	No general description given	1981-06: DEAD ON ROAD (U86DIE01FLUS).
GOPHPOLY*234	Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT	1981-06	No general description given	1981-06: DEAD ON ROAD (U86DIE01FLUS).
GOPHPOLY*232	Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT	1981-06	No general description given	1981-06: DEAD ON ROAD (U86DIE01FLUS).
DS*13389	Data Sensitive Element	Data Sensitive	G3	S3	LE	LE	1972-05-27	Data Sensitive	Data Sensitive
BONAGRAN*66	Bonamia grandiflora	Florida Bonamia	G3	S3	LT	LE	1998-04-02	1998-04-02: West end in Sec 32 SE4,NE4 has the best remaining sandhill. The sandhill of ca 20 acres covers the N and S slopes above the E end of Teardrop Lake and another smaller pond to the E. The steep slope rises from 100 to 175 ft elevation over ca 4	1998-04-02: More than 10 plants observed E of N-S sand road in Sec 32 NE4 SE4 NE3. Another 3 plants in Sec 33 SW4 SW4 NE4. These plants appeared healthy and vigorous (F98SCH25FLUS). 1998-11-04: Rare in center of the site- only 3 plants observed. Eleven p
DS*983	Data Sensitive Element	Data Sensitive	G1	S1	LE	LE	1994-10-04	Data Sensitive	Data Sensitive
NOLIBRIT*85	Nolina brittoniana	Britton's Beargrass	G3	S3	LE	LE	1994-07-22	IN A DEPRESSION WITHIN A FIRE EXCLUDED SANDHILL WELL DEVELOPED INTO A XERIC HAMMOCK AND DOMINATED BY QUERCUS GEMINATA/SERENOA REPENS-LICANIA MICHAUXII/ARISTIDA BEYRICHIANA. SURROUNDED BY ABANDONED CITRUS GROVES IN A VERY HILLY LANDSCAPE. pH 4.9 YELLOW AS	LOCALLY RARE, EIGHT VEGETATIVE PLANTS, ONE PAST FLOWERED PLANT.
POLYMYRI*1	Polygonella myriophylla	Small's Jointweed	G3	S3	LE	LE	1979	1998-04-02: West end in Sec 32 SE4,NE4 has the best remaining sandhill. The sandhill of ca 20 acres covers the N and S slopes above the E end of Teardrop Lake and another smaller pond to the E. The steep slope rises from 100 to 175 ft elevation over ca 4	1998-04-02: Not observed at W end of site (F98SCH25FLUS). 1997-11-04: Not observed on site. Best remaining habitat appears to be at the W end on the S facing slope (F97SCH42FLUS). 1994-08-25: Not found (U94REE01FLUS). 1987-03-17: Not found (U88CHR01FLUS)



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PAROCHAR*132	Paronychia chartacea ssp. chartacea	Paper-like Nailwort	G3T3	S3	LT	LE	1994-10-04	A TINY, REMNANT SANDHILL ON CA. 25 PLANTS. A STEEP, NE-FACING SLOPE. DOMINATED BY QUERCUS GEMINATA/SMILAX AURICULATA/RHYNCHELYTRUM REPENS-PITYOPSIS GRAMINIFOLIA. SURROUNDED BY ABANDONED CITRUS GROVES. pH 5.0 ASTATULA SERIES SAND. ASSOCIATED FLORA: RHYNCHELYTRUM REPENS,	
NOLIBRIT*90	Nolina brittoniana	Britton's Beargrass	G3	S3	LE	LE	1994-11-02	A TINY, RELICT SANDHILL ON A STEEP SLOPE, SURROUNDED BY ABANDONED CITRUS GROVES. DOMINATED BY QUERCUS LEAVIS-Q. GEMINATA/CERATIOLA ERICOIDES (LOCAL)-SMILAX AURICULATA/ARISTIDA BEYRICHIANA-RHYNCHELYTRUM REPENS. YELLOW ASTATULA SERIES SAND. ASSOCIATED FLOR	FIVE PLANTS VEGETATIVE ONLY, TWO PLANTS PAST FLOWERED BASED ON A CIRCULAR RECONNAISSANCE LEVEL SURVEY OF THE SANDHILL SITE.
DS*4704	Data Sensitive Element	Data Sensitive	G3	S3	LE	LE	1994-10-04	Data Sensitive	Data Sensitive
DS*7810	Data Sensitive Element	Data Sensitive	G3	S3	LE	LE	1994-11-02	Data Sensitive	Data Sensitive
ERIOGNAP*75	Eriogonum longifolium var. gnaphalifolium	Scrub Buckwheat	G4T3	S3	LT	LE	1994-07-22	IN A QUERCUS GEMINATA/SELAGINELLA ARENICOLA DOMINATED, FIRE EXCLUDED SANDHILL SUCCESSIONAL TO XERIC HAMMOCK. SURROUNDED BY ABANDONED CITRUS GROVES.	pH 4.9 YELLOW ASTUTULA SERIES SAND. RARE, ONE FLOWERING AND ONE VEGETATIVE PLANT FOUND. ASSOCIATED FLORA: OCCASIONAL: RHYNCHELYTRUM REPENS, AXONOPUS FISSIFOLIUS, POLYGONELLA ROBUSTA; RARE: DIODIA TERES, CHAPMANNIA FLORIDANA.
POLYLEWT*3	Polygala lewtonii	Lewton's Polygala	G3	S3	LE	LE	1998-04-02	1998-04-02: West end in Sec 32 SE4,NE4 has the best remaining sandhill. The sandhill of ca 20 acres covers the N and S slopes above the E end of Teardrop Lake and another smaller pond to the E. The steep slope rises from 100 to 175 ft elevation over ca 4	1998-04-02: 15 plants observed at W end of ridge, flowering. Four plants in a group and one solitary individual on W side of S facing slope. Remainder midslope and 50-75 ft E of W edge on N facing slope (F98SCH25FLUS). 1994-10-04: SEVEN PLANTS (U95REE01F



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PAROCHAR*1	Paronychia chartacea ssp. chartacea	Paper-like Nailwort	G3T3	S3	LT	LE	1994-10-04	1998-04-02: West end in Sec 32 SE4,NE4 has the best remaining sandhill. The sandhill of ca 20 acres covers the N and S slopes above the E end of Teardrop Lake and another smaller pond to the E. The steep slope rises from 100 to 175 ft elevation over ca 4	1998-04-02: Not observed (F98SCH25FLUS). 1997-11-04: Not observed on site. Best habitat appears to be at W end on S facing slope (F97SCH42FLUS). 1994-10-04: Rare and local (U95REE01FLUS). 1987-03-17: Not observed (U88CHR01FLUS). 1972-05-27: Stipules and
CHIOPYGM*56	Chionanthus pygmaeus	Pygmy Fringe Tree	G3	S3	LE	LE	1998-04-02	1998-04-02: West end in Sec 32 SE4,NE4 has the best remaining sandhill. The sandhill of ca 20 acres covers the N and S slopes above the E end of Teardrop Lake and another smaller pond to the E. The steep slope rises from 100 to 175 ft elevation over ca 4	1998-04-02: Chionanthus pygmaeus is locally abundant on N facing slope above a depression marsh. The population of about 50 trees ranges in height from 3-12 ft. Most are in full flower and appear quite vigorous (F98SCH25FLUS).
NOLIBRIT*4	Nolina brittoniana	Britton's Beargrass	G3	S3	LE	LE	1998-04-02	1998-04-02: West end in Sec 32 SE4,NE4 has the best remaining sandhill. The sandhill of ca 20 acres covers the N and S slopes above the E end of Teardrop Lake and another smaller pond to the E. The steep slope rises from 100 to 175 ft elevation over ca 4	1998-04-02: Abundant on N facing slope in Section 32, N2,SE4 SE4,NE4; over 500 plants estimated; another 100 plants seen in Section 33 (F98SCH25FLUS). 1997-11-04: Common in center section- 45 plants observed, a few with fruit, all appear healthy. Ca 75 p
DS*13033	Data Sensitive Element	Data Sensitive	G1	S1	LE	LE	1994-11-02	Data Sensitive	Data Sensitive
ERIOGNAP*1	Eriogonum longifolium var. gnaphalifolium	Scrub Buckwheat	G4T3	S3	LT	LE	1998-04-02	1998-04-02: West end in Sec 32 SE4,NE4 has the best remaining sandhill. The sandhill of ca 20 acres covers the N and S slopes above the E end of Teardrop Lake and another smaller pond to the E. The steep slope rises from 100 to 175 ft elevation over ca 4	1998-04-02: One plant observed on south facing slope in Section 32 NE4 SE4 NE4 (F98SCH25FLUS). 1997-11-04: Two plants seen in Section 33 SW4 SW4 NE4. Plants with basal rosettes of leaves only (F97SCH42FLUS). 1994-8-25: RARE, ONLY ONE FLOWERING AND ONE VE



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BONAGRAN*92	Bonamia grandiflora	Florida Bonamia	G3	S3	LT	LE	1994-10-04	A TINY, REMNANT SANDHILL ON A STEEP, NE-FACING SLOPE, DOMINATED BY QUERCUS GEMINATA-Q. LAEVIS/PRUNUS SEROTINA/SMILAX AURICULATA/RHYNCHELYTRUM REPENS-PITYOPSIS GRAMINIFOLIA. SURROUNDED BY ABANDONED CITRUS GROVES. pH 5.0 YELLOW ASTATULA SERIES SAND. ASSOCI	TWENTY-ONE PLANTS NOTED IN A RELATIVELY COMPLETE SURVEY.
WARECART*27	Warea carteri	Carter's Warea	G3	S3	LE	LE	1987-03-17	1998-04-02: West end in Sec 32 SE4,NE4 has the best remaining sandhill. The sandhill of ca 20 acres covers the N and S slopes above the E end of Teardrop Lake and another smaller pond to the E. The steep slope rises from 100 to 175 ft elevation over ca 4	1997-11-04: Not observed. Closely related Warea amplexifolia observed in flower in center and E end of site (F97SCH42FLUS). 1997-10-23: Not observed during brief survey. Closely related Warea amplexifolia observed in flower on slope above Triple E Road (
PRUNGENI*6	Prunus geniculata	Scrub Plum	G3	S3	LE	LE	2004-09-21	1998-04-02: West end in Sec 32 SE4,NE4 has the best remaining sandhill. The sandhill of ca 20 acres covers the N and S slopes above the E end of Teardrop Lake and another smaller pond to the E. The steep slope rises from 100 to 175 ft elevation over ca 4	2004-09-21: 8 plants seen (U04COX01FLUS). 1998-04-02: More than 15 mature plants observed in Sec 32 SE4 NE4. Most plants loaded with numerous fruit. Five more plants in Sec 33. Plants widespread but scattered, up to 3 ft tall and 5 ft wide (F98SCH25FLUS)
DS*21122	Data Sensitive Element	Data Sensitive	G3	S3	LE	LE	1981-03-23	Data Sensitive	Data Sensitive
PRUNGENI*100	Prunus geniculata	Scrub Plum	G3	S3	LE	LE	1994-07-22	1994-07-22: pH 4.9 YELLOW ASTATULA SERIES SAND.; IN A FIRE EXCLUDED SANDHILL, ON EITHER STEEP SLOPES OF XERIC HAMMOCK SUCCESSIONAL VEGETATION DOMINATED BY QUERCUS MYRTIFOLIA/LICANIA MICHAUXII-SMILAX AURICULATA/ARISTIDA BEYRICHIANA-PITYOPSIS GRAMINIFOLIA-	2004-09-28: U04COX02FLUS reports site developed but appears natural on 2004 aerial (PNDJOH01FLUS). 1994-07-22: LOCALIZED OCCASIONAL WITH 13 VEGETATIVE-ONLY SHRUBS AVERAGING 2.5' HIGH (PNDREE04FLUS).



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COELTUBE*26	Coelorachis tuberculosa	Piedmont Jointgrass	G3	S3	N	LT	1994-07-07	A LARGE, SHALLOW UPLAND SANDHILL LAKE OF FOUR MAJOR PLANT COMMUNITIES: A FLOATING MARSH ZONE OF NYMPHAEA ODORATA-ELEORACHIS ELONGATA, A WET MEADOW ZONE OF FUIRENA SCIRPOIDEA-XYRIS ELLIOTTII-RHYNCHOSPORA NITENS, A BEACH ZONE OF XYRIS ELLIOTTII-FIMBRISTYLI	ESTIMATED "THOUSANDS" OF PLANTS.
DS*27513	Data Sensitive Element	Data Sensitive	G1	S1	LE	LE	1997-10-23	Data Sensitive	Data Sensitive
GOPHPOLY*990	Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT	1994-08-28	IN A MOSTLY GROWN OVER FORMER SANDHILL DOMINATED BY QUERCUS LAEVIS. ON A SLIGHT RIDGE TOP SURROUNDED BY CLOSED CANOPY MESIC FOREST ON LOWER SLOPES OR OPEN RIGHT-OF-WAYS AND ROADS. YELLOW ASTATULA SERIES SAND.	SIX ACTIVE BURROWS SEEN IN A LIMITED SURVEY.
GOPHPOLY*989	Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT	1994-11-02	A TINY, RELICT SANDHILL ON A STEEP SLOPE, SURROUNDED BY ABANDONED CITRUS GROVES. DOMINATED BY QUERCUS LAEVIS-Q. GEMINATA/CERATIOLA ERICOIDES (LOCAL)-SMILAX AURICULATA/ARISTIDA BEYRICHIANA-RHYNCHELYTRUM REPENS. YELLOW ASTATULA SERIES SAND.	ONE ACTIVE BURROW, MODERATELY SMALL.
GOPHPOLY*444	Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT	1998-04-02	1998-04-02: West end in Sec 32 SE4,NE4 has the best remaining sandhill. The sandhill of ca 20 acres covers the N and S slopes above the E end of Teardrop Lake and another smaller pond to the E. The steep slope rises from 100 to 175 ft elevation over ca 4	1998-04-02: Seven active burrows seen at W end of the site in Sec 32 E2 SE4 NE4 (F98SCH25FLUS). 1994-08-25: One active burrow seen (U95REE01FLUS). 1987-03-17: Observed on site (U88CHR01FLUS).



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SPRISTRE*78	Spring-run stream		G2	S2	N	N	2004	A LOW VOLUME SPRING RUN WITH BANK VEGETATION DOMINATED BY ACER RUBRUM VAR. TRILOBUM/MYRICA CERIFLUA/COLOCASIA ESCULENTA-TILLANDSIA USNEOIDES.	2004: Update to last obs date was based on interpretation of aerial photography (previous value was 1994-09-25) (U05FNA02FLUS). ASSOCIATED FLORA: COMMON: WOODWARDIA VIRGINICA, OSMUNDA REGALIS. MILKANIA SCANDENS; OCCASIONAL: HYDROCOTYLE UMBELLATA, PARTHAN
SANDHILL*135	Sandhill		G3	S2	N	N	1998-04-02	1998-04-02: Most of the east end of the site has mature Quercus geminata that limit the understory vegetation. Houses built and under construction in E end. Cattle pasture is to the W of the site. ORV trails have caused erosion in several locations (F98S	1998-04-02: West end in Sec 32 SE4,NE4 has the best remaining sandhill. The sandhill of ca 20 acres covers the N and S slopes above the E end of Teardrop Lake and another smaller pond to the E. The steep slope rises from 100 to 175 ft elevation over ca 4
GOPHPOLY*787	Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT	1994-07-22	1987: VERY TALL, DENSE OAKS ON TAN SAND. POLYGONELLA, SELAGINELLA, SOME TURKEY OAK, SMILAX, OPUNTIA AND SOME PERSIMMON, ARISTIDA STRICTA, LICHEN, CARPET WEED, YUCCA, LECHEA DECKERTII, RHYNCHOSIA (?). QUERCUS GEMINATA, Q. CHAPMANII, BRACKEN FERN, ASCLEPIA	1987: AT LEAST ONE BURROW OBSERVED. 1994: EIGHT ACTIVE BURROWS RECORDED BASED ON LIMITED 1.5 HR. SURVEY.
BASISWAM*51	Basin swamp		G4	S3	N	N	2004	A HARDWOOD SWAMP DOMINATED NEAR THE SHORE BY ACER RUBRUM VAR. TRILOBUM/MYRICA CERIFLUA/COLOCASIA ESCULENTA-IPOMEA ALBA-TILLANDSIA USNEOIDES; WITH A THIN, DISCONTINUOUS ZONE OF LOW QUALITY BASIN MARSH DOMINATED BY TYPHA LATIFOLIA-SAGITTARIA LANCIFOLIA.	2004: Update to last obs date was based on interpretation of aerial photography (previous value was 1994-09-25) (U05FNA02FLUS). ASSOCIATED FLORA: OCCASIONAL: LUDWEGIA PERUVIANA; SOLIDAGO GIGANTEA; CLADIUM JAMAICENSE; PARTHANOISSUS QUINQUIFOLIUS; MILKANI



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APHECOER*126	<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT	1981-03-31	1981: OAK SCRUB AND SCRUBBY PASTURE. 1994: A FIRE EXCLUDED, STEEPLY SLOPED MOSAIC OF XERIC HAMMOCK AND SANDHILL. XERIC HAMMOCK IS DOMINATED BY QUERCUS MYRTIFOLIA/LICANIA MICHAUXII-SMILAX AURICULATA/ARISTIDA BEYRICHIANA-PITYOPSIS GRAMINIFOLI-LIATRIS TENUI	1981-03-31: 2 SCRUB JAYS. REESE (1994): NO BIRDS SEEN OR HEARD.
SANDHILL*198	Sandhill		G3	S2	N	N	2004	A TINY, REMNANT SANDHILL ON A STEEP, NE-FACING SLOPE. DOMINATED BY QUERCUS GEMINATA/SMILAX AURICULATA/RHYNCHELYTRUM REPENS-PITYOPSIS GRAMINIFOLIA. SURROUNDED BY ABANDONED CITRUS GROVES.	2004: Update to last obs date was based on interpretation of aerial photography (previous value was 1994-10-04) (U05FNA02FLUS). pH 5.0 YELLOW ASTATULA SERIES SAND. NO DATA ON COMMUNITY-WIDE FLORA EXCEPT FOR ASSOCIATES OF SPECIAL PLANTS.
SANDHILL*200	Sandhill		G3	S2	N	N	2004	A TINY, RELICT SANDHILL ON A STEEP SLOPE, SURROUNDED BY ABANDONED CITRUS GROVES. DOMINATED BY QUERCUS LEAVIS-Q. GEMINATA/CERATIOLA ERICOIDES (LOCAL)-SMILAX AURICULATA/ARISTIDA BEYRICHIANA-RHYNCHELYTRUM REPENS.	2004: Update to last obs date was based on interpretation of aerial photography (previous value was 1994-11-02) (U05FNA02FLUS). YELLOW ASTATULA SERIES SAND. QUERCUS GEMINATA <= 12" D.B.H.; Q. LAEVIS <= 15". ASSOC. FLORA: DOMINANT: QUERCUS GEMINATA, QUERC
SANDLAKE*42	Sandhill upland lake		G3	S2	N	N	2004	A LARGE, SHALLOW UPLAND SANDHILL LAKE OF FOUR MAJOR PLANT COMMUNITIES: A FLOATING MARSH ZONE OF NYMPHAEA ODORATA-ELEORACHIS ELONGATA, A WET MEADOW ZONE OF FUIRENA SCIRPOIDEA-XYRIS ELLIOTTII-RHYNCHOSPORA NITENS, A BEACH ZONE OF XYRIS ELLIOTTII-FIMBRISTYL	2004: Update to last obs date was based on interpretation of aerial photography (previous value was 1994-08-11) (U05FNA02FLUS). pH 5.4 GREYISH-WHITE PLACID SERIES SAND, SLIGHTLY WET PHASE. ASSOCIATED FLORA: DOMINANT: FUIRENA SCIRPOIDEA, XYRIS ELLIOTTII,

ELEMENT OCCURRENCES DOCUMENTED ON OR NEAR PROJECT SITE



Map Label	Scientific Name	Common Name	Global State Federal State Observation				Date	Description	EO Comments
			Rank	Rank	Status	Listing			
SANDHILL*155	Sandhill		G3	S2	N	N	2004	A FIRE EXCLUDED XERIC HAMMOCK DOMINATED BY QUERCUS MYRTIFOLIA/LICANIA MICHAUXII-SMILAX AURICULATA/ARISTIDA BEYRICHIANA-PITYOPSIS GRAMINIFOLIA-LIATRIS TENUIFOLIA WITH SMALL OPENINGS OF SANDHILL DOMINATED BY Q. LAEVIS/SELAGINELLA ARENICOLA-MOSS. SURROUNDED	2004: Update to last obs date was based on interpretation of aerial photography (previous value was 1994-09-29) (U05FNA02FLUS). pH 4.9 YELLOW ASTATULA SERIES SAND. ASSOCIATED FLORA: SEE XERIC HAMMOCK EOR.
XERIHAMM*56	Xeric hammock		G3	S3	N	N	2004	A FIRE EXCLUDED, STEEPLY SLOPED MOSIAC OF XERIC HAMMOCK AND SANDHILL. XERIC HAMMOCK IS DOMINATED BY QUERCUS MYRTIFOLIA/LICANIA MICHAUXII-SMILAX AURICULATA/ARISTIDA BEYRICHIANA-PITYOPSIS GRAMINIFOLIA-LIATRIS TENUIFOLIA. SANDHILL IS DOMINATED BY Q. LAEVIS/	2004: Update to last obs date was based on interpretation of aerial photography (previous value was 1994-09-29) (U05FNA02FLUS). pH 4.9 YELLOW ASTATULA SERIES SAND. ASSOCIATED FLORA: DOMINANT: QUERCUS MYRTIFOLIA, QUERCUS GEMINATA, SERENOA REPENS (LOCAL);
GEOPRELI*8	Geopsammodius relictillus	Relictual Tiny Sand-loving Scarab	G2G3	S2S3	N	N	1998-06-08	1998-06-08: No description given (A06SKE01FLUS).	1998-06-08: Thirty-three specimens were collected (A06SKE01FLUS).
SIDEALAC*4	Sideroxylon alachuense	Silver Buckthorn	G1	S1	N	LE	2007-04-13	2007-04-13: open weedy slope with Rubus spp. and Campsis radicans common (PNDGUL01FLUS).	2007-03-10--2007-04-13: 8 plants total seen (at least 3 in bud in April); on slope in old citrus grove; historic community likely an ecotone between sandhill and upland hardwood forest (U07POA01FLUS; F07GUL01FLUS).
PHYL*7	Phyllophaga skelleyi	Skelley's June Beetle	G2	S2	N	N	1956-03-14	1956-03-14: No description given (B89WOO01FLUS).	1956-03-14: One specimen was collected by H.A. Denmark at a light (B89WOO01FLUS).

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)
- GNRTNR** 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>

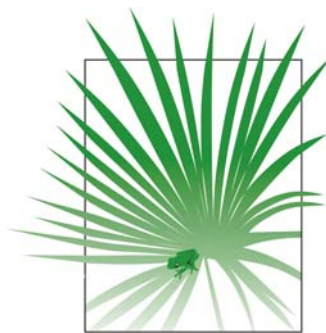
LE Listed as Endangered Plants in the Preservation of Native Flora of Florida Act. Defined as species of plants native to the state that are in imminent danger of extinction within the state, the survival of which is unlikely if the causes of a decline in the number of plants continue, and includes all 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.



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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:

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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.



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FLORIDA
Natural Areas
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Florida Natural Areas Inventory

Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Matrix Unit ID: 38874					
Likely					
<i>Grus canadensis pratensis</i> Sandhill upland lake	Florida Sandhill Crane	G5T2T3 G3	S2S3 S2	N N	LT 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>Arnoglossum diversifolium</i>	Variable-leaved Indian-plantain	G2	S2	N	LT
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Bonamia grandiflora</i>	Florida Bonamia	G3	S3	LT	LE
<i>Calamintha ashei</i>	Ashe's Savory	G3	S3	N	LT
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Chionanthus pygmaeus</i>	Pygmy Fringe Tree	G3	S3	LE	LE
<i>Clitoria fragrans</i>	Scrub Pigeon-wing	G3	S3	LT	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Eriogonum longifolium</i> var. <i>gnaphalifolium</i>	Scrub Buckwheat	G4T3	S3	LT	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Hartwrightia floridana</i>	Hartwrightia	G2	S2	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Illicium parviflorum</i>	Star Anise	G2	S2	N	LE
<i>Lechea cernua</i>	Nodding Pinweed	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>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Neofiber alleni</i>	Round-tailed Muskrat	G3	S3	N	N
<i>Nolina brittoniana</i>	Britton's Beargrass	G3	S3	LE	LE
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Panicum abscissum</i>	Cutthroat Grass	G3	S3	N	LE
<i>Paronychia chartacea</i> ssp. <i>chartacea</i>	Paper-like Nailwort	G3T3	S3	LT	LE
<i>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Polygala lewtonii</i>	Lewton's Polygala	G3	S3	LE	LE
<i>Polygonella myriophylla</i>	Small's Jointweed	G3	S3	LE	LE
<i>Prunus geniculata</i>	Scrub Plum	G3	S3	LE	LE
<i>Pteroglossaspis ecristata</i>	Giant Orchid	G2G3	S2	N	LT
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Salix floridana</i>	Florida Willow	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
<i>Warea amplexifolia</i>	Clasping Warea	G1	S1	LE	LE
<i>Warea carteri</i>	Carter's Warea	G3	S3	LE	LE

Matrix Unit ID: 39236

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.



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Florida Natural Areas Inventory

Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Documented					
<i>Bonamia grandiflora</i>	Florida Bonamia	G3	S3	LT	LE
<i>Chionanthus pygmaeus</i>	Pygmy Fringe Tree	G3	S3	LE	LE
<i>Paronychia chartacea</i> ssp. <i>chartacea</i>	Paper-like Nailwort	G3T3	S3	LT	LE
<i>Prunus geniculata</i>	Scrub Plum	G3	S3	LE	LE
Sandhill		G3	S2	N	N
<i>Warea amplexifolia</i>	Clasping Warea	G1	S1	LE	LE
Likely					
<i>Eriogonum longifolium</i> var. <i>gnaphalifolium</i>	Scrub Buckwheat	G4T3	S3	LT	LE
Mesic flatwoods		G4	S4	N	N
<i>Polygala lewtonii</i>	Lewton's Polygala	G3	S3	LE	LE
<i>Polygonella myriophylla</i>	Small's Jointweed	G3	S3	LE	LE
<i>Warea carteri</i>	Carter's Warea	G3	S3	LE	LE
Potential					
<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calamintha ashei</i>	Ashe's Savory	G3	S3	N	LT
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Clitoria fragrans</i>	Scrub Pigeon-wing	G3	S3	LT	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
<i>Hartwrightia floridana</i>	Hartwrightia	G2	S2	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Lechea cernua</i>	Nodding Pinweed	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>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Neofiber alleni</i>	Round-tailed Muskrat	G3	S3	N	N
<i>Nolina brittoniana</i>	Britton's Beargrass	G3	S3	LE	LE
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Panicum abscissum</i>	Cutthroat Grass	G3	S3	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>Pteroglossaspis ecristata</i>	Giant Orchid	G2G3	S2	N	LT
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Salix floridana</i>	Florida Willow	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: 39237

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
Likely					
<i>Polygala lewtonii</i>	Lewton's Polygala	G3	S3	LE	LE
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>Bonamia grandiflora</i>	Florida Bonamia	G3	S3	LT	LE
<i>Calamintha ashei</i>	Ashe's Savory	G3	S3	N	LT
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Chionanthus pygmaeus</i>	Pygmy Fringe Tree	G3	S3	LE	LE
<i>Clitoria fragrans</i>	Scrub Pigeon-wing	G3	S3	LT	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Eriogonum longifolium</i> var. <i>gnaphalifolium</i>	Scrub Buckwheat	G4T3	S3	LT	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Lechea cernua</i>	Nodding Pinweed	G3	S3	N	LT
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulae</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>Neofiber alleni</i>	Round-tailed Muskrat	G3	S3	N	N
<i>Nolina brittoniana</i>	Britton's Beargrass	G3	S3	LE	LE
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Panicum abscissum</i>	Cutthroat Grass	G3	S3	N	LE
<i>Paronychia chartacea</i> ssp. <i>chartacea</i>	Paper-like Nailwort	G3T3	S3	LT	LE
<i>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Polygonella myriophylla</i>	Small's Jointweed	G3	S3	LE	LE
<i>Prunus geniculata</i>	Scrub Plum	G3	S3	LE	LE
<i>Pteroglossaspis ecristata</i>	Giant Orchid	G2G3	S2	N	LT
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Salix floridana</i>	Florida Willow	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
<i>Warea amplexifolia</i>	Clasping Warea	G1	S1	LE	LE
<i>Warea carteri</i>	Carter's Warea	G3	S3	LE	LE

Matrix Unit ID: 39602

Documented

<i>Bonamia grandiflora</i>	Florida Bonamia	G3	S3	LT	LE
<i>Eriogonum longifolium</i> var. <i>gnaphalifolium</i>	Scrub Buckwheat	G4T3	S3	LT	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT

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FLORIDA
Natural Areas
INVENTORY

Florida Natural Areas Inventory

Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<i>Nolina brittoniana</i>	Britton's Beargrass	G3	S3	LE	LE
<i>Paronychia chartacea</i> ssp. <i>chartacea</i>	Paper-like Nailwort	G3T3	S3	LT	LE
<i>Polygala lewtonii</i>	Lewton's Polygala	G3	S3	LE	LE
<i>Prunus geniculata</i>	Scrub Plum	G3	S3	LE	LE
Sandhill		G3	S2	N	N
<i>Warea amplexifolia</i>	Clasping Warea	G1	S1	LE	LE
Documented-Historic					
<i>Polygonella myriophylla</i>	Small's Jointweed	G3	S3	LE	LE
<i>Warea carteri</i>	Carter's Warea	G3	S3	LE	LE
Likely					
<i>Chionanthus pygmaeus</i>	Pygmy Fringe Tree	G3	S3	LE	LE
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
Mesic flatwoods		G4	S4	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>Calamintha ashei</i>	Ashe's Savory	G3	S3	N	LT
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Clitoria fragrans</i>	Scrub Pigeon-wing	G3	S3	LT	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
<i>Gymnopogon chapmanianus</i>	Chapman's Skeletongrass	G3	S3	N	N
<i>Hartwrightia floridana</i>	Hartwrightia	G2	S2	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Lechea cernua</i>	Nodding Pinweed	G3	S3	N	LT
<i>Lupinus aridorum</i>	Scrub Lupine	G1	S1	LE	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>Neofiber alleni</i>	Round-tailed Muskrat	G3	S3	N	N
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Panicum abscissum</i>	Cutthroat Grass	G3	S3	N	LE
<i>Picoides borealis</i>	Red-cockaded Woodpecker	G3	S2	LE	LS
<i>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Pteroglossaspis ecristata</i>	Giant Orchid	G2G3	S2	N	LT
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Salix floridana</i>	Florida Willow	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: 39603

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Likely					
<i>Polygala lewtonii</i>	Lewton's Polygala	G3	S3	LE	LE
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>Arnoglossum diversifolium</i>	Variable-leaved Indian-plantain	G2	S2	N	LT
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Bonamia grandiflora</i>	Florida Bonamia	G3	S3	LT	LE
<i>Calamintha ashei</i>	Ashe's Savory	G3	S3	N	LT
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Carex chapmanii</i>	Chapman's Sedge	G3	S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Chionanthus pygmaeus</i>	Pygmy Fringe Tree	G3	S3	LE	LE
<i>Clitoria fragrans</i>	Scrub Pigeon-wing	G3	S3	LT	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Eriogonum longifolium var. gnaphalifolium</i>	Scrub Buckwheat	G4T3	S3	LT	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
<i>Hartwrightia floridana</i>	Hartwrightia	G2	S2	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Illicium parviflorum</i>	Star Anise	G2	S2	N	LE
<i>Lechea cernua</i>	Nodding Pinweed	G3	S3	N	LT
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulae</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>Neofiber alleni</i>	Round-tailed Muskrat	G3	S3	N	N
<i>Nolina brittoniana</i>	Britton's Beargrass	G3	S3	LE	LE
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Panicum abscissum</i>	Cutthroat Grass	G3	S3	N	LE
<i>Paronychia chartacea ssp. chartacea</i>	Paper-like Nailwort	G3T3	S3	LT	LE
<i>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Polygonella myriophylla</i>	Small's Jointweed	G3	S3	LE	LE
<i>Prunus geniculata</i>	Scrub Plum	G3	S3	LE	LE
<i>Pteroglossaspis ecristata</i>	Giant Orchid	G2G3	S2	N	LT
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Salix floridana</i>	Florida Willow	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
<i>Warea amplexifolia</i>	Clasping Warea	G1	S1	LE	LE
<i>Warea carteri</i>	Carter's Warea	G3	S3	LE	LE

Matrix Unit ID: 39970

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<i>Sideroxylon alachuense</i>	Silver Buckthorn	G1	S1	N	LE
Likely					
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
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>Arnoglossum diversifolium</i>	Variable-leaved Indian-plantain	G2	S2	N	LT
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Bonamia grandiflora</i>	Florida Bonamia	G3	S3	LT	LE
<i>Calamintha ashei</i>	Ashe's Savory	G3	S3	N	LT
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Carex chapmanii</i>	Chapman's Sedge	G3	S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Chionanthus pygmaeus</i>	Pygmy Fringe Tree	G3	S3	LE	LE
<i>Clitoria fragrans</i>	Scrub Pigeon-wing	G3	S3	LT	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Eriogonum longifolium</i> var. <i>gnaphalifolium</i>	Scrub Buckwheat	G4T3	S3	LT	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
<i>Hartwrightia floridana</i>	Hartwrightia	G2	S2	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Illicium parviflorum</i>	Star Anise	G2	S2	N	LE
<i>Lechea cernua</i>	Nodding Pinweed	G3	S3	N	LT
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulae</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>Neofiber alleni</i>	Round-tailed Muskrat	G3	S3	N	N
<i>Nolina brittoniana</i>	Britton's Beargrass	G3	S3	LE	LE
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
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<i>Paronychia chartacea</i> ssp. <i>chartacea</i>	Paper-like Nailwort	G3T3	S3	LT	LE
<i>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Polygala lewtonii</i>	Lewton's Polygala	G3	S3	LE	LE
<i>Polygonella myriophylla</i>	Small's Jointweed	G3	S3	LE	LE
<i>Prunus geniculata</i>	Scrub Plum	G3	S3	LE	LE
<i>Pteroglossaspis ecristata</i>	Giant Orchid	G2G3	S2	N	LT
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Salix floridana</i>	Florida Willow	G2	S2	N	LE
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