

Crystal River Unit 3 Nuclear Generating Plant License Renewal

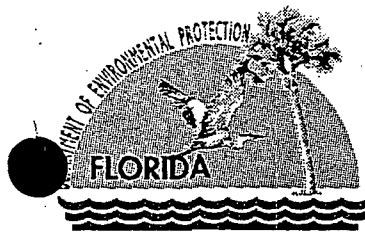
Revised Environmental Site Audit Needs List

Aquatic Ecology AQ-3

Aquatic Ecology

AQ-3

1. FDEP (2002)
2. FNAI (2008a)
3. FNAI (2008c)
4. NMFS (2002)
5. Progress Energy (undated)
6. SWEC (1985)



Jeb Bush
Governor

FDEP 2002

Department of Environmental Protection

Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

RECEIVED

MAY 15 2002

Environmental Svcs
Department

David B. Struhs
Secretary

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

In the matter of:

Approval of Florida Power Crystal River Plant
Manatee Protection Plan

DEP Permit Nos. FL0000159 (Units 1, 2, & 3)
and FL0036366 (Units 4 & 5)
Citrus County

Mr. Kent Hedrick
Florida Power
P. O. Box 14042
St. Petersburg, FL 33733-4042

NOTICE OF AGENCY ACTION

The Department of Environmental Protection hereby gives notice of its approval of the enclosed Manatee Protection Plan for the Florida Power Crystal River Plant (Units 1, 2, 3, 4, & 5), dated June 22, 2001. The Manatee Protection Plan was completed pursuant to Specific Condition 14 of Permit Number FL0036366 and Specific Condition 16 of Permit Number FL0000159.

A person whose substantial interests are affected by the Department action may petition for an administrative hearing in accordance with sections 120.569 and 120.57 of the Florida Statutes.

The petition must contain the information set forth below and must be filed (received) in the Department of Environmental Protection, Office of General Counsel, Mail Station 35, 3900 Commonwealth Boulevard, Tallahassee, Florida, 32399-3000. Petitions filed by the applicant or any of the parties listed below must be filed within twenty-one days of receipt of this notice of intent. Petitions filed by any other person must be filed within twenty-one days of publication of the public notice or within twenty-one days of receipt of this notice of intent, whichever occurs first. A petitioner must mail a copy of the petition to the applicant at the address indicated above, at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under sections 120.569 and 120.57 of the Florida Statutes, or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the discretion of the presiding officer upon the filing of a motion in compliance with rule 28-5.207 of the Florida Administrative Code.

A petition must contain the following information:

- (a) The name, address, and telephone number of each petitioner; the Department case identification number and the county in which the subject matter or activity is located;
- (b) A statement of how and when each petitioner received notice of the Department action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department action;

"More Protection, Less Process"

CRPP-0113

- (d) A statement of the material facts disputed by the petitioner, if any;
- (e) A statement of facts that the petitioner contends warrant reversal or modification of the Department action;
- (f) A statement of which rules or statutes the petitioner contends require reversal or modification of the Department action; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wants the Department to take.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department final action may be different from the position taken by it in this order. Persons whose substantial interests will be affected by any such final decision of the Department on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

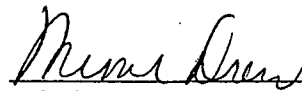
Mediation under section 120.573 of the Florida Statutes is not available for this proceeding.

This action is final and effective on the date filed with the Clerk of the Department unless a petition is filed in accordance with the above. Upon the timely filing of a petition this order will not be effective until further order of the Department.

Any party to the order has the right to seek judicial review of the order under section 120.68 of the Florida Statutes, by the filing of a notice of appeal under rule 9.110 of the Florida Rules of Appellate Procedure with the Clerk of the Department of Environmental Protection, Office of General Counsel, Mail Station 35, 3900 Commonwealth Boulevard, Tallahassee, Florida, 32399-3000; and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice of appeal must be filed within 30 days from the date when the final order is filed with the Clerk of the Department.

Executed in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



Mimi Drew
Director
Division of Water Resource Management

2600 Blair Stone Road
Tallahassee, FL 32399-2400
(850) 487-1855

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF AGENCY ACTION and all copies were mailed before the close of business on 15-13-02 to the listed persons.

FILING AND ACKNOWLEDGMENT

FILED, on this date, under section 120.52(7), Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

<u>S. Shields</u>	<u>15-13-02</u>
(Clerk)	(Date)

Copies furnished to:

Kipp Frohlich, FWC Tallahassee
Chairman, Board of Citrus County Commissioners
Jim Valade, U.S. Fish and Wildlife Service
Save the Manatee Club
Tim Parker, DEP Tampa
Betsy Hewitt, DEP Office of General Counsel

Florida Power Corporation - Crystal River Power Plant
Secondary Warm Water Refuge
Manatee Protection Plan

Rev. 6/22/01

Purpose:

The purpose of this Manatee Protection Plan is to set forth Florida Power Corporation's procedures to comply with Specific Condition 13 of the facility's NPDES Permit Numbers FL0000159 and FL0036366. This Specific Condition reads:

13. The permittee shall develop a plan and procedures addressing potential manatee impacts. The plan shall include an implementation schedule and shall address:
 - (a) Reporting of intake and discharge water temperatures during the winter, as currently monitored by the Permittee.
 - (b) Provision of gross bathymetry for the discharge canal, using currently available information.
 - (c) Provision of a thermal infrared aerial photograph taken during the winter, as close to the passage of a cold front as possible.
 - (d) precautions to minimize hazards to manatees at intake and outfall areas.
 - (e) timely communication to manatee recovery program personnel of any long term changes in the availability of warm water.
 - (f) Provision to allow access for staff from the Florida Department of Environmental Protection (DEP), Florida Fish and Wildlife Conservation Commission (FWC) and the U. S. Fish and Wildlife Service (FWS) to conduct manatee monitoring and research activities.

The plan shall be developed and submitted to DEP and FWS within six (6) months from the issuance date of this permit. DEP shall review the plan within 60 days of its receipt and shall, in writing, either approve the plan or notify the permittee of deficiencies that must be corrected. The permittee shall either make such corrections and re-submit the plan within 60 days of DEP's notification or file a petition for formal or informal administrative proceeding, pursuant to Chapter 120, F.S., and Chapter 62-103, Florida Administrative Code, if it disagrees with or otherwise disputes DEP's determination. The petition must conform to the requirements of rule 62-103.155, F.A.C., and must be received by DEP's Office of General Counsel, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000, within twenty-one (21) days after receipt of written notice. Failure to file a petition within this time period shall constitute a waiver by the permittee of its right to request an administrative proceeding under chapter 120, F.S. The plan shall be implemented according to the proposed schedule upon expiration of the 21-day time period following DEP's determination if no petition is filed, or DEP's final order entered after any administrative hearing held pursuant to this paragraph.

Copies of the final plan shall be maintained at the plant site and submitted to DEP, FWS and FWC at the following addresses.

U.S. Fish and Wildlife Service
6620 Southport Drive, South
Suite 310
Jacksonville, FL 32216
Attention: Jim Valade

Florida Fish and Wildlife
Commission OES - BPS
620 South Meridian Street
Tallahassee, FL 32399-1600
Attention: Ron Mezich

Florida Department of Environmental
Protection, Bureau of Water Facilities
2600 Blair Stone Road
Tallahassee, Florida 32399-2400
Attention: Michael Hatcher

Florida Power Corporation - Crystal River Power Plant
Secondary Warm Water Refuge
Manatee Protection Plan
Rev. 6/22/01

Compliance With Specific Condition 13:

This Manatee Protection Plan will be in effect during the term of the permit (FL0002992). From November 15 through March 31 each year:

- a) Florida Power Corporation will provide copies of the monthly Discharge Monitoring Reports to the BPSM each winter from the period of November 15 through March 31.
- b) Florida Power Corporation will, within two (2) years of the effective date of this plan, provide a thermal infrared aerial photograph of the Crystal River discharge taken during the winter as close to the passage of a cold front as possible, as well as its gross bathymetry, at the mean rate of discharge when the ambient water temperature reaches a seasonal low.
- c) Should Florida Power Corporation decide to retire the Crystal River units, notice will be provided to FDEP, BPSM and USFWS as soon as practical after a definite decision is made or, if possible, at least five years prior to the date of retirement.
- d) If an unplanned shutdown occurs that is expected to result in no thermal discharge for 24 hours or longer, regardless of the ambient water temperature, FMRI should be notified within 24 hours of the shutdown at the contact numbers listed below.

FMRI: (727) 893-2904

- e) The DEP and BPSM shall be provided a schedule of any anticipated in-water work within the discharge canal during the period of November 15 through March 31 each year. No major in-water maintenance work shall occur in the discharge canal from November 15 through March 31, unless it is considered essential by Crystal River Power Plant and approved by BPSM prior to the start of work. However, minor routine work which is necessary to maintain compliance with the facility's NPDES Permit, such as replacement and maintenance of thermal monitoring equipment or cleaning of intake and discharge structures, may be performed without notification. Performance of such minor routine in-water work must be in compliance with the attached Standard Manatee Construction Conditions. If major in-water work is necessitated by emergency conditions, the BPSM will be notified and consulted no later than two weeks following the commencement of the activity. All vessels used in the operation or associated with the activity shall be operated pursuant to the attached Standard Manatee Construction Conditions.
- f) Florida Power Corporation will provide personnel from the BPSM, USFWS, Florida Marine Research Institute (FMRI), U. S. Geological Service (USGS)-Sirenia Project, or a designee of these agencies, access to the Crystal River Power Plant Site to conduct manatee research or monitoring activities, including placing, maintaining and downloading data from temperature data loggers. If utilized at the Crystal River Facility, these temperature data loggers will be used to collect air and water temperature data in an ongoing research effort to better understand manatee behavior patterns in response to artificial warm water refugia and environmental variables. The temperature data loggers would be placed in the discharge canal and at designated control (ambient) locations. Access shall be limited to normal business hours (8:00am - 5:00pm) unless arrangements are made in advance with plant personnel.

Florida Power Corporation - Crystal River Power Plant
Secondary Warm Water Refuge
Manatee Protection Plan
Rev. 6/22/01

- g) Intake and Discharge Areas: If a distressed (i.e.; injured, orphaned, cold stress) animal(s) are observed at any time, the following notifications should be made:

FWC - Florida Marine Research Institute - Marine Mammal Pathology Lab: (727) 893-2904

USFWS - Jacksonville Field Office: (904) 232-2580

- h) Florida Power Corporation will provide phone numbers for weekday and weekend notification of appropriate plant personnel for the purpose of allowing FWC or FWS to coordinate manatee rescue operations as necessary.
- i) Within thirty days of approval of this plan, provide a site map of the facility as a part of the plan. Additionally, the site map will be updated and resubmitted to the DEP and BPSM within thirty days of any significant physical or operational changes to the facility which have the potential to affect manatees. The site map will include the following information:
- j) The location of the intake pipes and outfall pipes.
Proximate streams, rivers, bays, etc.
The location of the condenser inlet and outlet temperature monitoring stations.
The location of any fuel barge docking facilities in relation to the discharge canal.
The delineation of the no-entry boundary at the discharge canal.

**FLORIDA POWER CORPORATION – CRYSTAL RIVER PLANT
MANATEE PROTECTION PLAN**

- 1a) STANDARD MANATEE CONSTRUCTION CONDITIONS FOR ARTIFICIAL WARM WATER REFUGIA DURING THE PERIOD OF NOVEMBER 15 THROUGH MARCH 31.

The permittee shall comply with the following manatee protection conditions:

- a. The permittee shall instruct all personnel associated with in-water work within the warm water refuge of the potential presence of manatees and the need to avoid collisions with manatees. All vessels used in the operation or in association with the in-water work shall have an observer on board responsible for identifying the presence and location of manatee(s).
- b. The permittee shall advise all construction personnel that there are civil and criminal penalties for harming, harassing, or killing manatees which are protected under the Marine Mammal Protection Act of 1972, The Endangered Species Act of 1973, and the Florida Manatee Sanctuary Act.
- c. All vessels associated with in-water work associated with the warm water refuge shall operate at "no wake/idle" speeds at all times while in the manatee warm water refuge area. All vessels will follow routes of deep water whenever possible.
- d. If manatee(s) are seen within the warm water refuge area all appropriate precautions shall be implemented to ensure protection of the manatee(s). These precautions shall include the immediate shutdown of equipment if necessary. Activities will not resume until the manatee(s) has departed to a safe distance on its own volition.
- e. Any collision with and/or injury to a manatee shall be reported immediately to the Florida Fish & Wildlife Conservation Commission at (1-800-342-5367). Collision and/or injury should also be reported to the U.S. Fish and Wildlife Service in Jacksonville (1-904-232-2580).



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

April 17, 2008

Mike Whitten
Tetra Tech NUS, Inc.
900 Trail Ridge Road
Aiken, SC 29803

Dear Mr. Whitten,

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: Central Florida
Date Received: April 2, 2008
Location: Citrus, Marion, Sumter and Lake Counties

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.

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. 14-16-0004-91-950.

Managed Areas

Portions of the site appear to be located within or near: the Crystal River Preserve State Park, managed by the Florida Department of Environmental Protection, Division of Recreation and Parks; the Withlacoochee State Trail, managed by the Florida Department of Environmental Protection, Office of Greenways and Trails; the Halpata Tasthanaki Preserve, managed by the Southwest Florida Water Management District; the Withlacoochee State Forest, Ross Prairie State Forest, managed by the Florida Department of Agriculture and Consumer Services, Division of Forestry.

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

Land Acquisition Projects

This site appears to be located within or near the Florida Springs Coastal Greenway Florida Forever BOT Project, and the Longleaf Pine Ecosystem Florida Forever BOT Project which are all part of the State of Florida's Conservation and Recreation Lands land acquisition program. For more information on this Florida Forever Project, contact the Florida Department of Environmental Protection, Division of State Lands.

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

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

Please visit www.fnai.org/trackinglist.cfm for county or statewide element occurrence distributions and links to more element information.

The database maintained by the Florida Natural Areas Inventory is the single most comprehensive source of information available on the locations of rare species and other significant ecological resources. However, the data are not always based on comprehensive or site-specific field surveys. Therefore, this information should not be regarded as a final statement on the biological resources of the site being considered, nor should it be substituted for on-site surveys. Inventory data are designed for the purposes of conservation planning and scientific research, and are not intended for use as the primary criteria for regulatory decisions.

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

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

Sincerely,

Lindsay Horton

Lindsay Horton
Data Services Coordinator

Encl

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>.

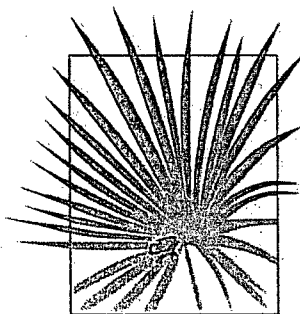
LE Listed as Endangered Plants in the Preservation of Native Flora of Florida Act. Defined as species of plants native to the state that are in imminent danger of extinction within the state, the survival of which is unlikely if the causes of a decline in the number of plants continue, and includes all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



FLORIDA
Natural Areas
INVENTORY

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



FOR IMMEDIATE RELEASE

FNAI's Biodiversity Matrix Online

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

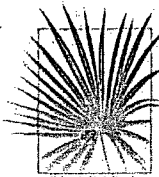
The FNAI Biodiversity Matrix offers **built-in interpretation** of the likelihood of species occurrence for each 1-square-mile Matrix Unit across the state. The report includes a site map and list of species and natural communities by occurrence status: Documented, Documented-Historic, Likely, and Potential.

Try it today:

www.fnai.org/biointro.cfm

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

www.fnai.org



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Tallahassee, FL 32303
(850) 224-8207
(850) 681-9364 Fax
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FLORIDA Natural Areas INVENTORY

Element Occurrences

- Animals
- Plants
- Communities
- Other
- Data Sensitive



Point Indicates General Vicinity of Element



U.S. Fish & Wildlife Service
Scrub Jay Survey 1992-96

Conservation Lands

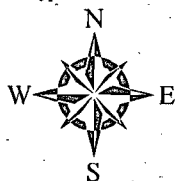
- Federal
- State
- Local
- Private
- State Aquatic Preserves

Land Acquisition Projects

- Florida Forever
- Board of Trustees Projects

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

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

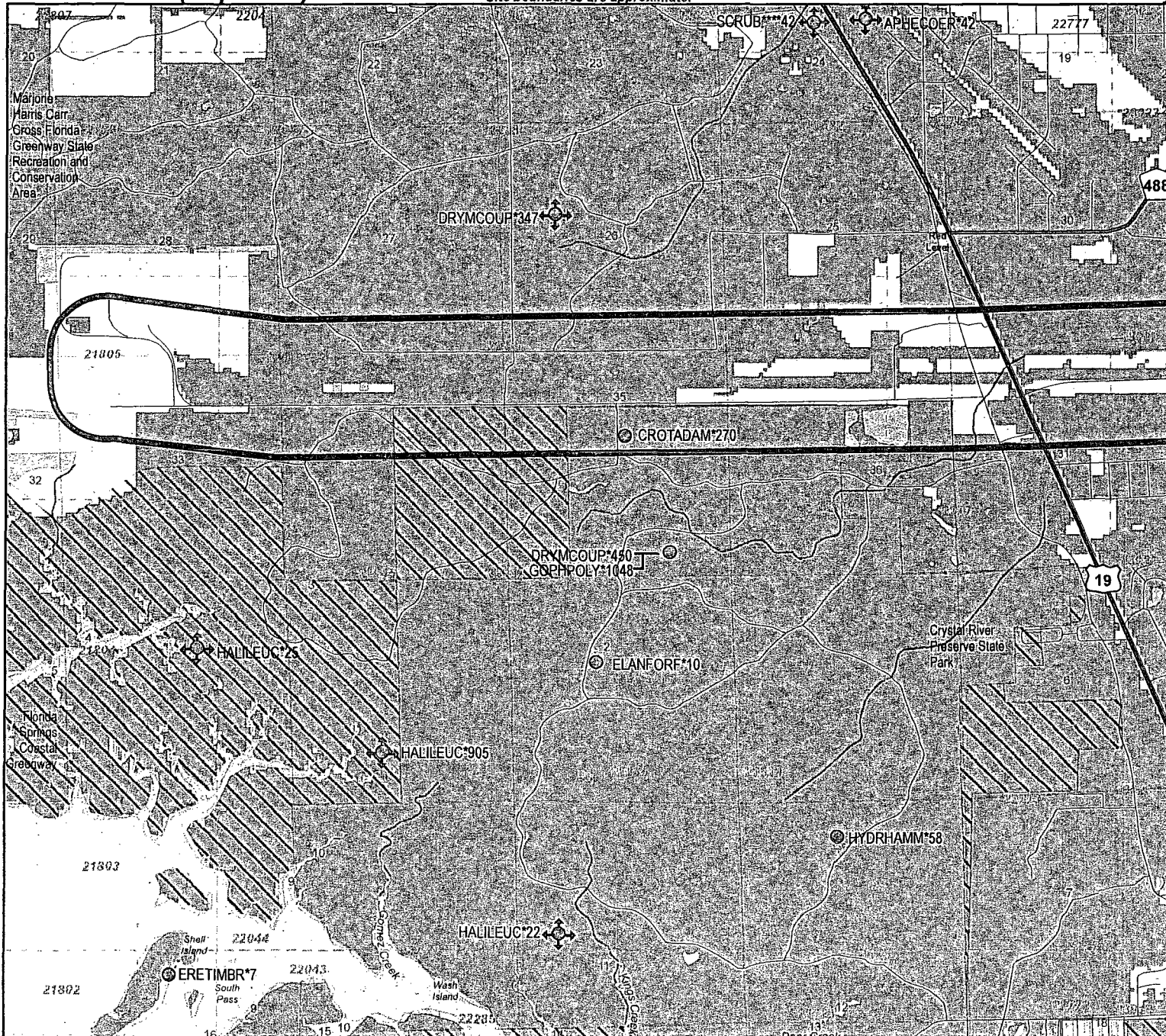


NOTE
Map should not be interpreted without
accompanying documents.

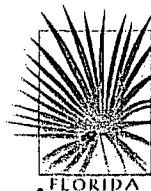
Central Florida (Map 1 of 7)

Site boundaries are approximate.

Citrus County



Map produced by LHH
Map Date: 15 APR 2008



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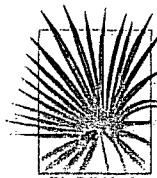
FLORIDA
Natural Areas
INVENTORY

Florida Natural Areas Inventory

ELEMENT OCCURRENCES DOCUMENTED ON OR NEAR PROJECT SITE



Map Label	Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing	Observation Date	Description	EO Comments
APHECOER*42	Aphelocoma coerulescens	Florida Scrub-jay	G2	S2	LT	LT	1981-02-21	GRASSY PALMETTO SCRUB	1981-02-21: 11 SCRUB JAYS
SCRUB****42	Scrub		G2	S2	N	N	2004	GRASSY PALMETTO SCRUB	2004: Update to last obs date was based on interpretation of aerial photography (previous value was 1981-02-21) (U05FNA02FLUS). OCCURRENCE AT SITE
ERETIMBR*7	Eretmochelys imbricata	Hawksbill	G3	S1	LE	LE	1997-04-02	Coastal hammock island.	1997-04-02: One adult turtle found dead, decomposing (U97MAI01FLUS).
HYDRHAMM*58	Hydric hammock		G4	S4	N	N	1997-04-07	This hammock is deep in the woods. Crystal River marshes and swamps are its south and west border. The north and east edges are flatwoods and sandhills, also within the preserve.	1997-04-07: Completely canopied by mature trees reaching over 100 feet; understory and ground layer fairly open from lack of light; succession dominated by light gaps; enormous, clearly old growth. Hammock is interspersed with shallow running streams and
DRYMCOU*347	Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT	1973-10	No general description given	MUSEUM SPECIMEN: S. CHRISTMAN, OCT 1973, UF.
GOPHPOLY*1048	Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT	1997-04-08	Planted slash pine; includes some relic sandhill planted with slash pine and turkey oak (NW1/4 of section 2 T18SR16E).	1997-04-08: One individual sighted on dirt road in NW1/4 section 1 T18SR16E (S. Blitch et al.). 1995-1997: S. Blitch made several sightings of tortoises at three different locations within element occurrence boundaries (see attached map).
CROTADAM*270	Crotalus adamanteus	Eastern Diamondback Rattlesnake	G4	S3	N	N	1996	Planted pine.	1996: S. Blitch observed one individual once or twice near state buffer preserve's shop.
ELANFORF*10	Elanoides forficatus	Swallow-tailed Kite	G5	S2	N	N	1995-SPRING	No general description given	1995 Spring: One pair nested in planted slash pine (S. Blitch).
DRYMCOU*450	Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT	1996-XX-XX	Planted slash pine and pine flatwoods (T17SR16E sec. 35); oak hammock and pasture (T18SR16E Sec. 1) (S. Blitch); mature slash pine plantation (G. Maidhoff).	1995-1996: Individuals observed at four different locations by S. Blitch (no specific dates). 1995-02-21: One snake observed by Ms. Yulee Commander basking in fire trail (U95MAI02).



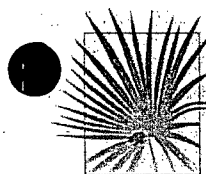
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Map Label	Scientific Name	Common Name	Global State Federal State Observation				Date	Description	EO Comments
			Rank	Rank	Status	Listing			
HALILEUC*22	<i>Haliaeetus leucocephalus</i>	Bald Eagle	G5	S3	N	LT	1991	No general description given	Nest status 1999-2003: Inactive - 2003; Unknown/not assessed - 2002, 2001, 2000, 1999; Status 1995-98: Inactive - 1998, 1997, 1996, 1995; (U03FWC01FLUS). Previous data (note different format) NEST: 1995: GONE; 1994: INACTIVE; 1993: INACTIVE; 1992: NO DAT
HALILEUC*905	<i>Haliaeetus leucocephalus</i>	Bald Eagle	G5	S3	N	LT	2003	No general description given	Nest status 1995-2003: Continuously active. (U03FWC01FLUS). Previous data (note different format) Nest: 1995: Produced 1 young; 1994: Produced 1 young; 1993: Produced 1 young; 1992: No data; 1991: Produced 1 young; 1990: No data; 1989: Produced 1 young;
HALILEUC*25	<i>Haliaeetus leucocephalus</i>	Bald Eagle	G5	S3	N	LT	1991	No general description given	Nest status 1999-2003: Inactive - 2003; Unknown/not assessed - 2002, 2001, 2000, 1999; Status 1995-98: Inactive - 1998, 1997, 1996, 1995; (U03FWC01FLUS). Previous data (note different format) NEST: 1995-93: GONE; 1992: NO DATA; 1991: ACTIVE, PRODUCTIVITY



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Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Matrix Unit ID: 21805					
Likely					
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
Manatee aggregation site		GNR	SNR	N	N
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*
Potential					
<i>Acipenser oxyrinchus desotoi</i>	Gulf Sturgeon	G3T2	S2	LT	LS
<i>Ammodramus maritimus peninsulæ</i>	Scott's Seaside Sparrow	G4T3Q	S3	N	LS
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Caretta caretta</i>	Loggerhead	G3	S3	LT	LT
<i>Chelonia mydas</i>	Green Turtle	G3	S2	LE	LE
<i>Cistothorus palustris marianæ</i>	Marian's Marsh Wren	G5T3	S3	N	LS
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Justicia cooleyi</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Leitneria floridana</i>	Corkwood	G3	S3	N	LT
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Neovison vison hallimnetes</i>	Gulf Salt Marsh Mink	G5T3	S3	N	N
<i>Nerodia clarkii clarkii</i>	Gulf Salt Marsh Snake	G4T4	S3?	N	N
<i>Phyllanthus leibmannianus ssp. platylepis</i>	Pinewood Dainties	G4T2	S2	N	LE
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Rallus longirostris scottii</i>	Florida Clapper Rail	G5T3?	S3?	N	N
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Trichechus manatus</i>	Manatee	G2	S2	LE	LE

Matrix Unit ID: 22046

Likely

<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
Mesic flatwoods		G4	S4	N	N
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*

Potential

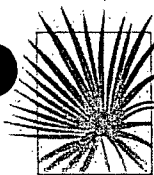
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Justicia cooleyi</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Leitneria floridana</i>	Corkwood	G3	S3	N	LT
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Neovison vison hallimnetes</i>	Gulf Salt Marsh Mink	G5T3	S3	N	N
<i>Phyllanthus leibmannianus ssp. platylepis</i>	Pinewood Dainties	G4T2	S2	N	LE
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS

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Florida Natural Areas Inventory

Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
Matrix Unit ID: 22288					
Documented					
<i>Crotalus adamanteus</i>	Eastern Diamondback Rattlesnake	G4	S3	N	N
Likely					
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*
Potential					
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Justicia cooleyi</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Leitneria floridana</i>	Corkwood	G3	S3	N	LT
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Neovison vison halilimnetes</i>	Gulf Salt Marsh Mink	G5T3	S3	N	N
<i>Phyllanthus leibmannianus ssp. platylepis</i>	Pinewood Dainties	G4T2	S2	N	LE
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
Matrix Unit ID: 22531					
Likely					
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
Mesic flatwoods		G4	S4	N	N
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*
Potential					
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Justicia cooleyi</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Leitneria floridana</i>	Corkwood	G3	S3	N	LT
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Neovison vison halilimnetes</i>	Gulf Salt Marsh Mink	G5T3	S3	N	N
<i>Phyllanthus leibmannianus ssp. platylepis</i>	Pinewood Dainties	G4T2	S2	N	LE
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE

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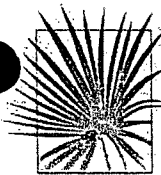
Florida Natural Areas Inventory

Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT
Matrix Unit ID: 22775					
Likely					
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
Mesic flatwoods		G4	S4	N	N
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*
Potential					
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Justicia cooley</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Leitneria floridana</i>	Corkwood	G3	S3	N	LT
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Phyllanthus leibmannianus ssp. platylepis</i>	Pinewood Dainties	G4T2	S2	N	LE
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT
Matrix Unit ID: 23021					
Likely					
<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
Mesic flatwoods		G4	S4	N	N
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*
Potential					
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Justicia cooley</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Leitneria floridana</i>	Corkwood	G3	S3	N	LT
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Neovison vison halilimnetes</i>	Gulf Salt Marsh Mink	G5T3	S3	N	N
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Phyllanthus leibmannianus ssp. platylepis</i>	Pinewood Dainties	G4T2	S2	N	LE
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS

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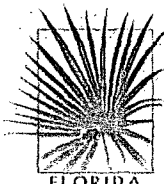
Florida Natural Areas Inventory

Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<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: 23022					
Likely					
<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
Mesic flatwoods		G4	S4	N	N
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>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Justicia cooley</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Leitneria floridana</i>	Corkwood	G3	S3	N	LT
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Phyllanthus leibmannianus ssp. platylepis</i>	Pinewood Dainties	G4T2	S2	N	LE
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT

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FLORIDA Natural Areas INVENTORY

Element Occurrences

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

Conservation Lands

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

Land Acquisition Projects

- ▨ Florida Forever
- ▨ Board of Trustees Projects

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

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

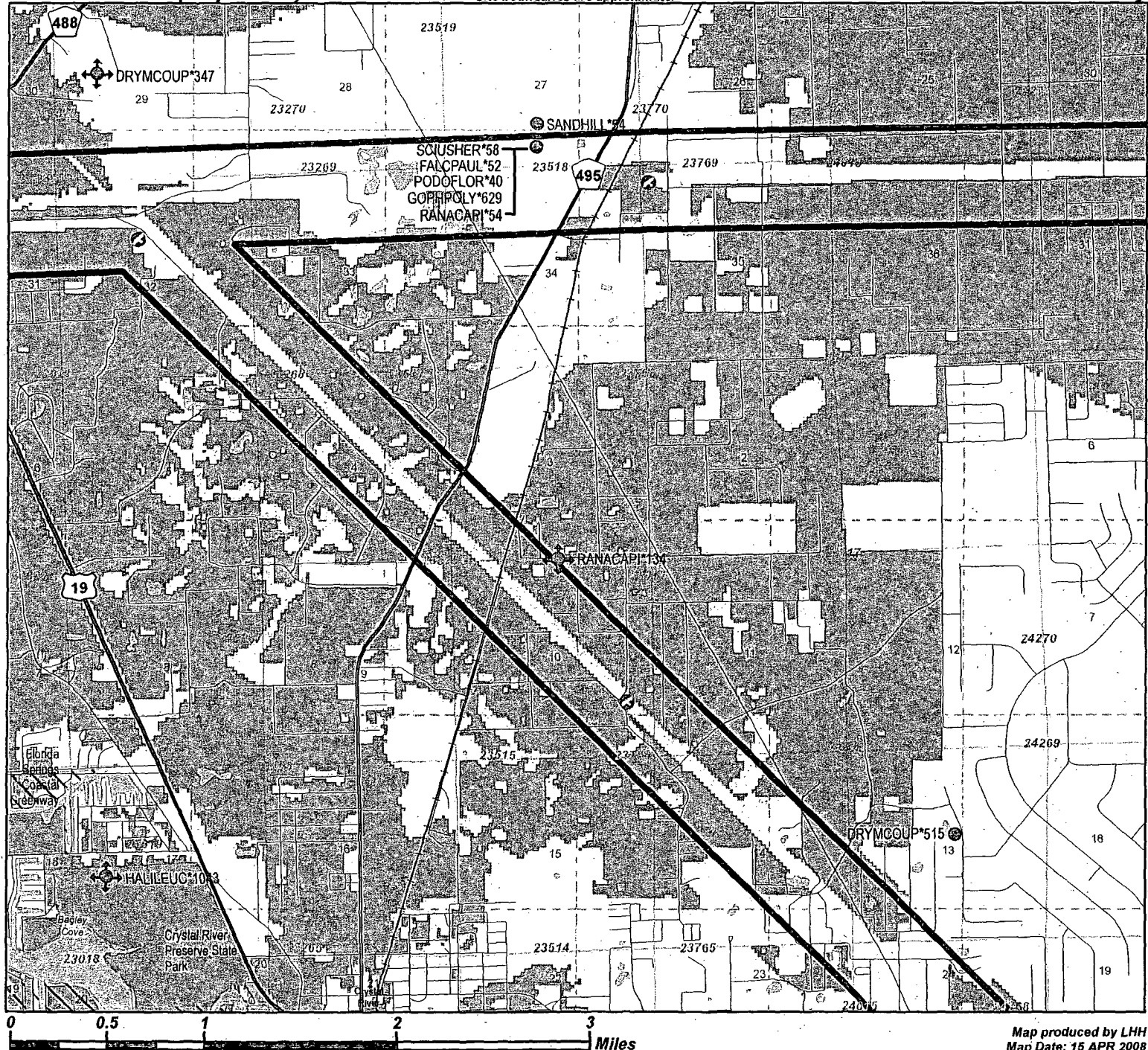


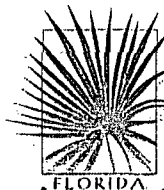
NOTE
Map should not be interpreted without accompanying documents.

Central Florida (Map 2 of 7)

Site boundaries are approximate.

Citrus County





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Map Label	Scientific Name	Common Name	Global State Federal State Observation				Date	Description	EO Comments
			Rank	Rank	Status	Listing			
RANACAPI*134	<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS	1991-03-17	Upland Pine Forest; old field community	1991-03-17: D.J. STEVENSON, observed 1 adult female.
GOPHPOLY*629	<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT	1990-04	SANDHILL, LONGLEAF PINE-TURKEY OAK, WIREGRASS, ALSO SOME PASTURE.	NUMEROUS BURROWS. 300+/- INDIVIDUALS BASED ON BURROW SURVEYS TO FGFWFC STANDARDS, EST POPULATION DENSITY OF 1.3/AC. 42%, 25% AND 33% OF OBSERVED BURROWS WERE ACTIVE, INACTIVE AND OLD RESPECTIVELY.
FALCPAUL*52	<i>Falco sparverius paulus</i>	Southeastern American Kestrel	G5T4	S3	N	LT	1990-04	SANDHILL, LONGLEAF PINE-TURKEY OAK, WIREGRASS.	8 INDIVIDUALS AND SURVIVING FLEDGLINGS AND 2 CONFIRMED NESTS.
SANDHILL*54	<i>Sandhill</i>		G3	S2	N	N	1990-04	SANDHILL, LONGLEAF PINE-TURKEY OAK, WIREGRASS.	No EO data given
PODOFLOR*40	<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS	1990-04	SANDHILL, LONGLEAF PINE-TURKEY OAK, WIREGRASS.	36 (ADULTS AND JUVENILE) INDIVIDUALS CAPTURED AND RELEASED, DURING 800 TRAP NIGHT SURVEY. MAJORITY OF TRAPS WERE SET IN VICINITY OF GOPHERUS BURROWS.
RANACAPI*54	<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS	1990-04	SANDHILL, LONGLEAF PINE-TURKEY OAK, WIREGRASS.	6 INDIVIDUALS CAPTURED IN FUNNEL TRAPS SET AT ENTRANCE OF GOPHER TORTOISE BURROWS.
SCIUSHER*58	<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS	1990-04	SANDHILL, LONGLEAF PINE-TURKEY OAK, WIREGRASS, ALSO IN PASTURE-BAHIA GRASS.	6 INDIVIDUALS OBSERVED IN SANDHILL AND PASTURE.
DRYMCoup*347	<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT	1973-10	No general description given	MUSEUM SPECIMEN: S. CHRISTMAN, OCT 1973, UF.
HALILEUC*1043	<i>Haliaeetus leucocephalus</i>	Bald Eagle	G5	S3	N	LT	2003	2005-07-12: Source does not provide a description.	Nest status: Active, 2003, 2002, 2001, 2000, 1999;(U03FWC01FLUS)
DRYMCoup*515	<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT	2006-06-06	2006-06-06: residential area in former sandhill and scrub (U06MAI01FLUS).	2006-06-06: Rutledge observed individual in yard and photographed (U06MAI01FLUS)

Florida Natural Areas Inventory

Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Matrix Unit ID: 23021					
Likely					
<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
Mesic flatwoods		G4	S4	N	N
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*
Potential					
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Justicia cooley</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Leitneria floridana</i>	Corkwood	G3	S3	N	LT
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Neovison vison halilimnetes</i>	Gulf Salt Marsh Mink	G5T3	S3	N	N
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Phyllanthus leibmannianus ssp. platylepis</i>	Pinewood Dainties	G4T2	S2	N	LE
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT

Matrix Unit ID: 23022

Likely

<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
Mesic flatwoods		G4	S4	N	N

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>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Justicia cooley</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Leitneria floridana</i>	Corkwood	G3	S3	N	LT
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Phyllanthus leibmannianus ssp. platylepis</i>	Pinewood Dainties	G4T2	S2	N	LE
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS

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Florida Natural Areas Inventory

Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<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: 23267

Likely

<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
Mesic flatwoods		G4	S4	N	N

Potential

<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Justicia cooley</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Leitneria floridana</i>	Corkwood	G3	S3	N	LT
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Neovison vison hallimnetes</i>	Gulf Salt Marsh Mink	G5T3	S3	N	N
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT

Matrix Unit ID: 23268

Likely

<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
Mesic flatwoods		G4	S4	N	N

Potential

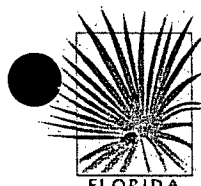
<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Justicia cooley</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Leitneria floridana</i>	Corkwood	G3	S3	N	LT

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Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Neovison vison halilimnetes</i>	Gulf Salt Marsh Mink	G5T3	S3	N	N
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Phyllanthus leibmannianus ssp. platylepis</i>	Pinewood Dainties	G4T2	S2	N	LE
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT

Matrix Unit ID: 23269

Likely

<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
Mesic flatwoods		G4	S4	N	N
Sandhill upland lake		G3	S2	N	N

Potential

<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Justicia cooley</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Leitneria floridana</i>	Corkwood	G3	S3	N	LT
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Phyllanthus leibmannianus ssp. platylepis</i>	Pinewood Dainties	G4T2	S2	N	LE
<i>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>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: 23515

Likely

<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
Mesic flatwoods		G4	S4	N	N

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Florida Natural Areas Inventory

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<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
Potential					
<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Justicia cooleyi</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Neovison vison halilimnetes</i>	Gulf Salt Marsh Mink	G5T3	S3	N	N
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Pteroglossaspis ecristata</i>	Giant Orchid	G2G3	S2	N	LT
<i>Pycnanthemum floridanum</i>	Florida Mountain-mint	G3	S3	N	LT
<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: 23516

Likely

<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
Mesic flatwoods		G4	S4	N	N
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS

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>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Justicia cooleyi</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Leitheria floridana</i>	Corkwood	G3	S3	N	LT
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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

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<i>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Pycnanthemum floridanum</i>	Florida Mountain-mint	G3	S3	N	LT
<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: 23517

Likely

<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
Mesic flatwoods		G4	S4	N	N
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
Sandhill		G3	S2	N	N
Sandhill upland lake		G3	S2	N	N

Potential

<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Asplenium heterosiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Justicia cooley</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Leitneria floridana</i>	Corkwood	G3	S3	N	LT
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Phyllanthus leibmannianus ssp. platylepis</i>	Pinewood Dainties	G4T2	S2	N	LE
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT

Matrix Unit ID: 23518

Documented

<i>Falco sparverius paulus</i>	Southeastern American Kestrel	G5T4	S3	N	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS

Likely

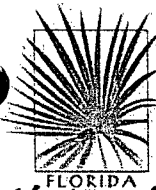
<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
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<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
Mesic flatwoods		G4	S4	N	N
Sandhill		G3	S2	N	N
Sandhill upland lake		G3	S2	N	N
Potential					
<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Leitneria floridana</i>	Corkwood	G3	S3	N	LT
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Phyllanthus leibmannianus</i> ssp. <i>platylepis</i>	Pinewood Dainties	G4T2	S2	N	LE
<i>Pteroglossaspis ecristata</i>	Giant Orchid	G2G3	S2	N	LT
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT
Matrix Unit ID: 23765					
Likely					
<i>Apelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
Mesic flatwoods		G4	S4	N	N
Sandhill upland lake		G3	S2	N	N
Potential					
<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Justicia cooley</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>Picoides borealis</i>	Red-cockaded Woodpecker	G3	S2	LE	LS
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Pteroglossaspis ecristata</i>	Giant Orchid	G2G3	S2	N	LT
<i>Pycnanthemum floridanum</i>	Florida Mountain-mint	G3	S3	N	LT

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Florida Natural Areas Inventory

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

Matrix Unit ID: 23766

Likely

<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
Mesic flatwoods		G4	S4	N	N
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
Sandhill		G3	S2	N	N

Potential

<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Justicia cooleyi</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Pteroglossaspis ecristata</i>	Giant Orchid	G2G3	S2	N	LT
<i>Pycnanthemum floridanum</i>	Florida Mountain-mint	G3	S3	N	LT
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE

Matrix Unit ID: 23767

Likely

<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
Mesic flatwoods		G4	S4	N	N
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
Sandhill		G3	S2	N	N

Potential

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Florida Natural Areas Inventory

Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<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>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Leitneria floridana</i>	Corkwood	G3	S3	N	LT
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Pycnanthemum floridanum</i>	Florida Mountain-mint	G3	S3	N	LT
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE

Matrix Unit ID: 23769

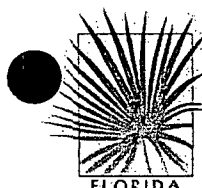
Likely

<i>Apelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
Mesic flatwoods		G4	S4	N	N
Sandhill		G3	S2	N	N

Potential

<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Leitneria floridana</i>	Corkwood	G3	S3	N	LT
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Phyllanthus leibmannianus ssp. platylepis</i>	Pinewood Dainties	G4T2	S2	N	LE
<i>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT

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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: 24015					
Likely					
<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
Mesic flatwoods		G4	S4	N	N
Sandhill		G3	S2	N	N
Sandhill upland lake		G3	S2	N	N
Potential					
<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Justicia cooleyi</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>Picoides borealis</i>	Red-cockaded Woodpecker	G3	S2	LE	LS
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Pteroglossaspis ecristata</i>	Giant Orchid	G2G3	S2	N	LT
<i>Pycnanthemum floridanum</i>	Florida Mountain-mint	G3	S3	N	LT
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT

Matrix Unit ID: 24016

Likely

<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
Mesic flatwoods		G4	S4	N	N
Sandhill		G3	S2	N	N
Sandhill upland lake		G3	S2	N	N

Potential

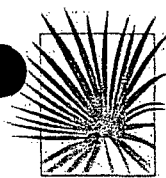
<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N

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Florida Natural Areas Inventory

Biodiversity Matrix Report



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<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata 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>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Peromyscus floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Pycnanthemum floridanum</i>	Florida Mountain-mint	G3	S3	N	LT
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT

Matrix Unit ID: 24019

Likely

<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
Sandhill		G3	S2	N	N

Potential

<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Gopherus polyphemus</i>	Gopher Tortoise	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>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Peromyscus floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE

Matrix Unit ID: 24020

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Florida Natural Areas Inventory

Biodiversity Matrix Report



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Likely					
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
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>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE

Matrix Unit ID: 24268

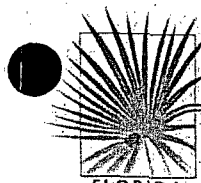
Likely

<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	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>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Neofiber alleni</i>	Round-tailed Muskrat	G3	S3	N	N
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<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

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Florida Natural Areas Inventory

Biodiversity Matrix Report



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

Matrix Unit ID: 24272

Likely

<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
Sandhill		G3	S2	N	N
Scrub		G2	S2	N	N

Potential

<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Dicerandra comutissima</i>	Longspurred Mint	G1	S1	LE	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE

Matrix Unit ID: 24273

Likely

<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
Sandhill		G3	S2	N	N
Scrub		G2	S2	N	N

Potential

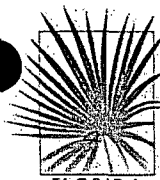
<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Dicerandra comutissima</i>	Longspurred Mint	G1	S1	LE	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N

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FLORIDA
Natural Areas
INVENTORY

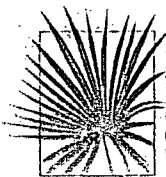
Florida Natural Areas Inventory

Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE

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FLORIDA Natural Areas INVENTORY

Element Occurrences

- Animals
- Plants
- ⊙ Communities
- ⊙ Other
- Data Sensitive

⊕ Point Indicates General
Vicinity of Element

⊕ U.S. Fish & Wildlife Service
Scrub Jay Survey 1992-96

Conservation Lands

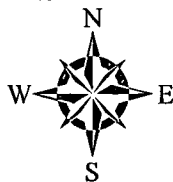
- Federal
- State
- Local
- Private
- ▨ State Aquatic Preserves

Land Acquisition Projects

- ▨ Florida Forever
- ▨ Board of Trustees Projects

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

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

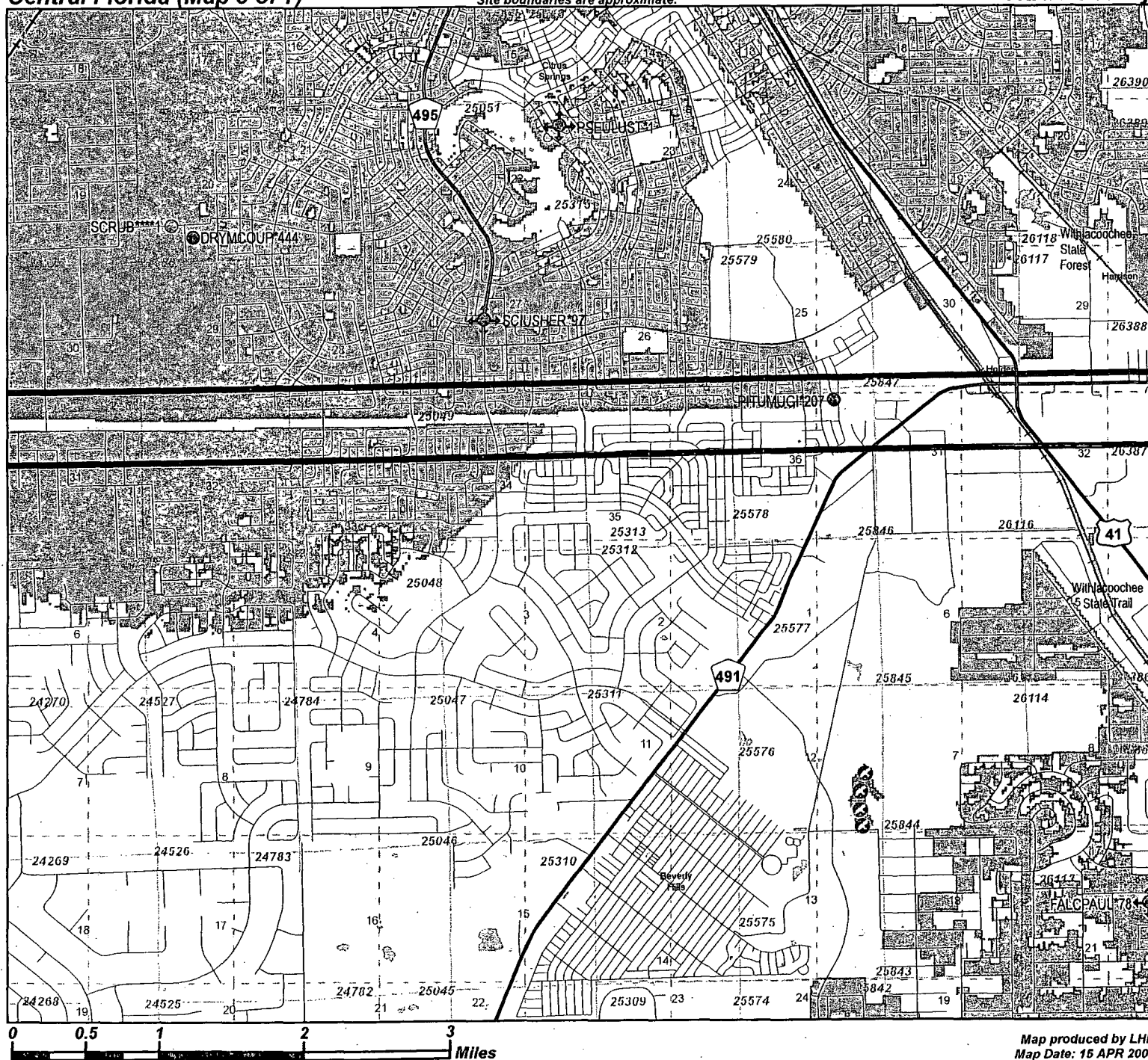


NOTE
Map should not be interpreted without
accompanying documents.

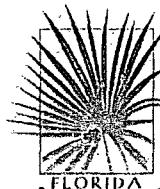
Central Florida (Map 3 of 7)

Site boundaries are approximate.

Citrus County



Map produced by LHH
Map Date: 15 APR 2008



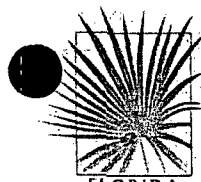
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Florida Natural Areas Inventory

ELEMENT OCCURRENCES DOCUMENTED ON OR NEAR PROJECT SITE



Map Label	Scientific Name	Common Name	Global	State	Federal	State	Observation	Description	EO Comments
			Rank	Rank	Status	Listing	Date		
SCIUSHER*97	Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS	1995-01-12	Sandhill dominated by longleaf pine, turkey oak and wiregrass.	1995-01-12: 1 adult, foraging (U95MAI01).
SCRUB****1	Scrub		G2	S2	N	N	2004	SURROUNDED BY SANDHILL.	2004: Update to last obs date was based on interpretation of aerial photography (previous value was 1983-02-19) (U05FNA02FLUS). SAND PINE>SAND LIVE OAK, CHAPMAN'S OAK, MYRTLE OAK, FETTERBUSH, GARBERIA, SOLIDAGO CHAPMANII, SCRUB CLOVER, SCRUB BLUEBERRY, SAW PAL
DRYMCUP*444	Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT	1994-06-13	Sand pine scrub.	Snake observed AOR.
PITUMUGI*207	Pituophis melanoleucus mugitus	Florida Pine Snake	G4T3	S3	N	LS	1999-07-28	1999-07: semi-developed subdivision in former sandhill; includes many vacant lots (U99MAI02FLUS).	1999-07-28: G. Maidhoff observed road-killed adult pine snake (U99MAI02FLUS).
PSEULUST*1	Pseudobranchius striatus lustricolus	Gulf Hammock Dwarf Siren	G5T1	S1	N	N	ZZ	No general description given	10 specimens (UK-89907-16), collector and date not available.
FALCPAUL*78	Falco sparverius paulus	Southeastern American Kestrel	G5T4	S3	N	LT	1990-05-24	No general description given	1990-05-24: 1 nest cavity with young reported by David Voigts (J.A. Hovis, GFC).



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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: 24268					
Likely					
<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	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>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Neofiber alleni</i>	Round-tailed Muskrat	G3	S3	N	N
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<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>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT

Matrix Unit ID: 24272

Likely

<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
Sandhill		G3	S2	N	N
Scrub		G2	S2	N	N

Potential

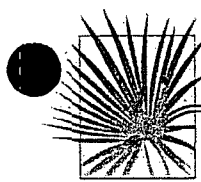
<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Dicerandra cornutissima</i>	Longspurred Mint	G1	S1	LE	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	N	LE

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Florida Natural Areas Inventory

Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE

Matrix Unit ID: 24273

Likely

<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
Sandhill		G3	S2	N	N
Scrub		G2	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>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	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>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Dicerandra cornutissima</i>	Longspurred Mint	G1	S1	LE	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE

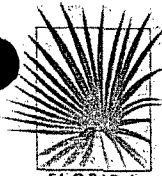
Matrix Unit ID: 24529

Likely

<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
Sandhill		G3	S2	N	N
Scrub		G2	S2	N	N

Potential

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<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>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Dicerandra cornutissima</i>	Longspurred Mint	G1	S1	LE	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE

Matrix Unit ID: 24530

Likely

<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
Mesic flatwoods		G4	S4	N	N
Scrub		G2	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>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	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>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Dicerandra cornutissima</i>	Longspurred Mint	G1	S1	LE	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE

Matrix Unit ID: 24786

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Florida Natural Areas Inventory

Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Likely					
<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
Scrub		G2	S2	N	N
Potential					
<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Dicerandra cornutissima</i>	Longspurred Mint	G1	S1	LE	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Nolina atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT

Matrix Unit ID: 24787

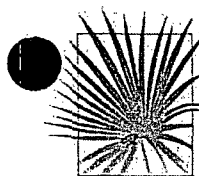
Likely

<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
Scrub		G2	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>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	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>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Dicerandra cornutissima</i>	Longspurred Mint	G1	S1	LE	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N

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Florida Natural Areas Inventory

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Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Nolina atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Rana capito</i>	Gopher Frog	G3	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: 25049

Likely

<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS

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>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Nolina atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Rana capito</i>	Gopher Frog	G3	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: 25050

Likely

<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS

Potential

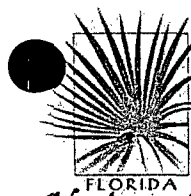
<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N

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<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Nolina atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Rana capito</i>	Gopher Frog	G3	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: 25313

Likely

<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
Mesic flatwoods		G4	S4	N	N
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS

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>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Nolina atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE

Matrix Unit ID: 25314

Likely

<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
Mesic flatwoods		G4	S4	N	N
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS

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

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Florida Natural Areas Inventory

Biodiversity Matrix Report



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<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Nolina atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Rana capito</i>	Gopher Frog	G3	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: 25578

Likely

<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
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Potential

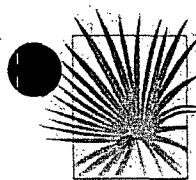
<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Dicerandra cornutissima</i>	Longspurred Mint	G1	S1	LE	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>Nolina atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS

Matrix Unit ID: 25579

Likely

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

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Florida Natural Areas Inventory Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Sandhill		G3	S2	N	N
Potential					
<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Nolina atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE

Matrix Unit ID: 25846

Likely

<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
Mesic flatwoods		G4	S4	N	N
<i>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
Sandhill		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>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	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>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Dicerandra cornutissima</i>	Longspurred Mint	G1	S1	LE	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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 atopocarpa</i>	Florida Beargrass	G3	S3	N	LT

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<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<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>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT

Matrix Unit ID: 25847

Likely

<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Mesic flatwoods		G4	S4	N	N
<i>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
Sandhill		G3	S2	N	N

Potential

<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>Nolina atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<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>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS

Matrix Unit ID: 26116

Likely

Mesic flatwoods		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Sandhill		G3	S2	N	N

Potential

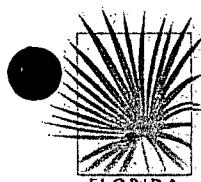
<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE

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Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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 atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<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>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT

Matrix Unit ID: 26117

Likely

<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Mesic flatwoods		G4	S4	N	N
Sandhill		G3	S2	N	N

Potential

<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>Nolina atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<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>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS

Matrix Unit ID: 26387

Likely

<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
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Florida Natural Areas Inventory

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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>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>Neofiber alleni</i>	Round-tailed Muskrat	G3	S3	N	N
<i>Nolina atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<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>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT

Matrix Unit ID: 26388

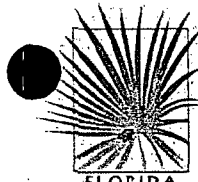
Likely

Mesic flatwoods	G4	S4	N	N
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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>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>Neofiber alleni</i>	Round-tailed Muskrat	G3	S3	N	N
<i>Nolina atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N

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Biodiversity Matrix Report



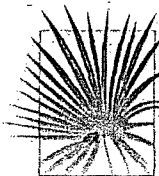
Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<i>Picoides borealis</i>	Red-cockaded Woodpecker	G3	S2	LE	LS
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Pteroglossaspis ecristata</i>	Giant Orchid	G2G3	S2	N	LT
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT

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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

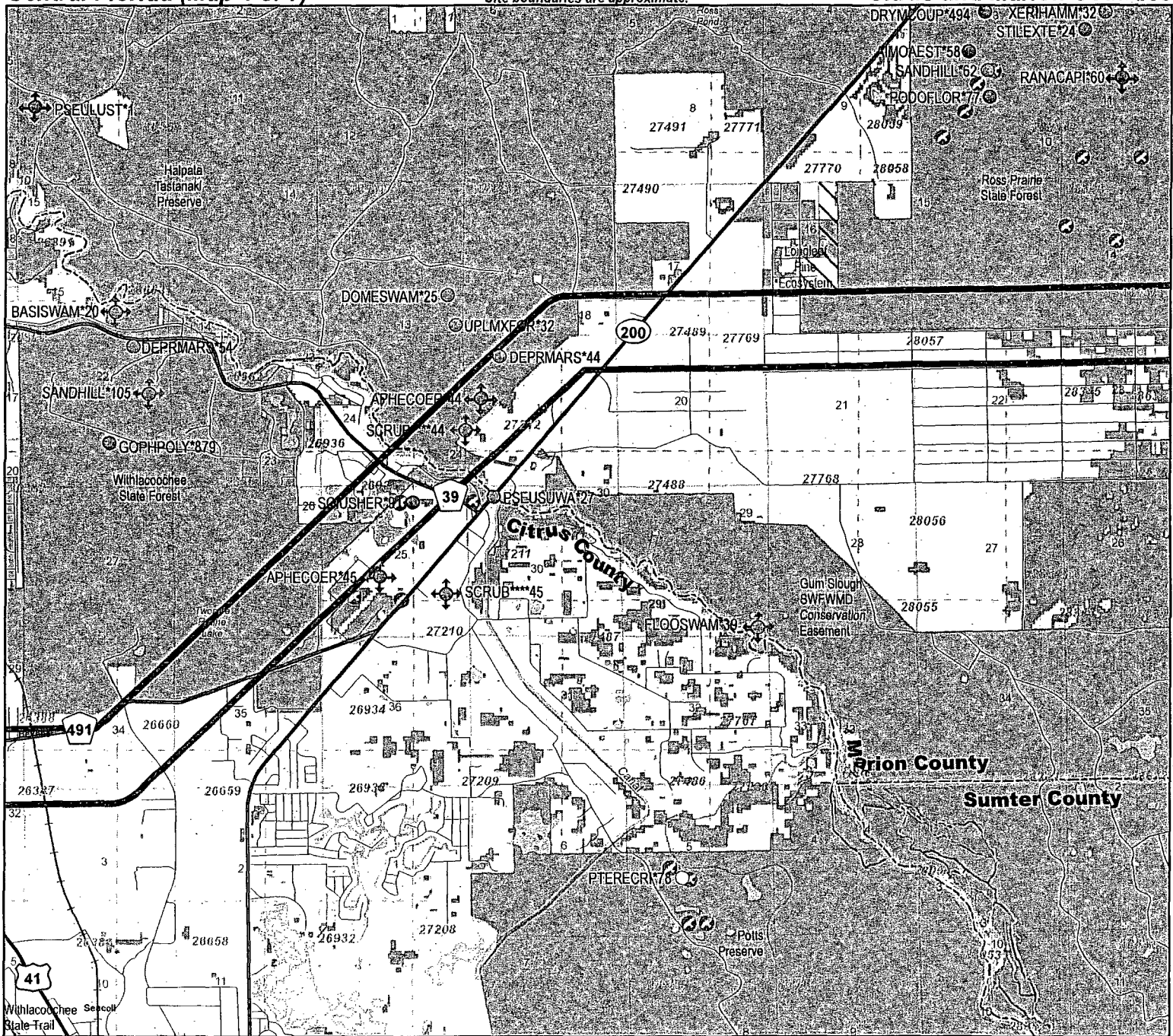


NOTE
Map should not be interpreted without accompanying documents.

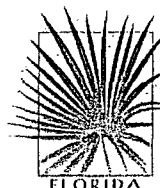
Central Florida (Map 4 of 7)

Site boundaries are approximate.

Citrus and Marion Counties



Map produced by LHH
Map Date: 15 APR 2008



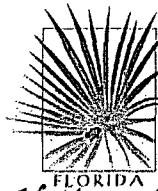
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Florida Natural Areas Inventory

ELEMENT OCCURRENCES DOCUMENTED ON OR NEAR PROJECT SITE



Map Label	Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing	Observation Date	Description	EO Comments
SCRUB****44	Scrub		G2	S2	N	N	1981-03-05	SECOND GROWTH OAK SCRUB	OCCURRENCE AT SITE
SCRUB****45	Scrub		G2	S2	N	N	1981-03-05	OAK SCRUB	OCCURRENCE AT SITE
XERIHAMM*32	Xeric hammock		G3	S3	N	N	2004	LARGE DEPRESSION MARSHES INTERSPERSED BETWEEN XERIC HAMMOCK.	2004: Update to last obs date was based on interpretation of aerial photography (previous value was 1991-10-03) (U05FNA02FLUS). LARGE QUERCUS VIRGINIANA DOMINANT IN OVERSTORY, ALSO WITH Q. LAURIFOLIA AND A FEW MAGNOLIA GRANDIFLORA; SHRUB LAYER INCLUDES I
PSEUSUWA*27	<i>Pseudemys concinna suwanniensis</i>	Suwannee Cooter	G5T3	S3	N	LS	1994-05-12	MEDIUM-SIZED RIVER WITH BLACKWATER AND SPRING-FED CHARACTERISTICS; BORDERED BY NARROW FLOODPLAIN SWAMP/FOREST AND UPLAND MIXED FOREST; AQUATIC VEGETATION INCLUDES HYDROCOTYLE, SCIRPUS, TYPHA, PISTIA, MORE.	1994-05-12: D. JACKSON OBSERVED SEVERAL BASKING INDIVIDUALS, MOSTLY SUB-ADULT, DURING MORNING CANOE SURVEY OF 3-MILE STRETCH DOWNSTREAM OF S-200 (PNDJAC01FLUS). 1991-07-26: D. S. CROWE (FFWCC) OBSERVED 2 ADULT FEMALES AT S-44 CROSSING (FWC WILDOBS. DATAB
DOMESWAM*25	Dome swamp		G4	S4	N	N	2004	CYPRESS DOMINATED AREAS EVIDENT IN AERIAL PHOTO IN NORTHERN PORTION OF STOKES FOREST.	2004: Update to last obs date was based on interpretation of aerial photography (previous value was 1993-03-01) (U05FNA02FLUS).
DEPRMARS*44	Depression marsh		G4	S4	N	N	2004	DEPRESSIONS DOMINATED BY WETLAND GRASSES AND SEDGES.	2004: Update to last obs date was based on interpretation of aerial photography (previous value was 1993-03-01) (U05FNA02FLUS). LARGE TRACT OF OLD GROWTH FOREST WITH SEVERAL DEPRESSIONAL WETLANDS.
SCIUSHER*91	<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS	1994-05-12	Principal habitat on ranch is sandhill that has been disturbed by cattle ranching activities; pasture grasses have encroached into groundcover. Turkey oaks are large, longleaves are abundant though mostly small, wiregrass is widespread though sparse. Subs	1994-05-11, 12: during 2-day field assessment of Jordan Ranch, Jackson and Printiss observed one adult.



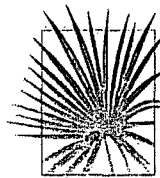
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			Rank	Rank	Status	Listing			
UPLMXFOR*32	Upland mixed forest		G4	S4	N	N	2004	UPLAND MIXED FOREST DOMINATED BY LAUREL OAK (QUERCUS LAURIFOLIA), LIVE OAK (Q. VIRGINIANA), AND WATER OAK (Q. NIGRA), WITH LONGLEAF PINE (PINUS PALUSTRIS), SOUTHERN MAGNOLIA (MAGNOLIA GRANDIFLORA), AND SLASH PINE (P. ELLIOTTII). SAW PALMETTO (SERENOA REP	2004: Update to last obs date was based on interpretation of aerial photography (previous value was 1993-03-01) (U05FNA02FLUS). LARGE TRACT OF OLD GROWTH FOREST WITH SEVERAL DEPRESSIONAL WETLANDS.
SANDHILL*62	Sandhill		G3	S2	N	N	2004	OPEN LONGLEAF PINE/TURKEY OAK/WIREGRASS GRADING INTO XERIC HAMMOCK AND DEPRESSION MARSH.	2004: Update to last obs date was based on interpretation of aerial photography (previous value was 1991-10-24) (U05FNA02FLUS). SCATTERED OVERSTORY OF LONGLEAF PINE (PINUS PALUSTRIS) WITH A MODERATELY DENSE TO SPARSE MIDSTORY COMPRISED PREDOMINANTLY OF T
AIMOAEST*58	Aimophila aestivalis	Bachman's Sparrow	G3	S3	N	N	1999	No general description given	1999: Reported on site (U99WOO01FLUS).
PODOFLOR*77	Podomys floridanus	Florida Mouse	G3	S3	N	LS	1999-04-14	99-07-06: Primarily sandhill and scrub habitat (U99SUR03FLUS)	99-07-06: 3 captures using Sherman live traps. 10 traps set, representing a total of 10 trap nights (number of traps multiplied by number of nights open) U99SUR03FLUS.
PSEULUST*1	Pseudobranchius striatus lustricolus	Gulf Hammock Dwarf Siren	G5T1	S1	N	N	ZZ	No general description given	10 specimens (UK-89907-16), collector and date not available.
RANACAPI*60	Rana capito	Gopher Frog	G3	S3	N	LS	1991-10-03	FROG OBSERVED AT MOUTH OF GOPHER TORTOISE BURROW AT 8:00 AM.	1 FROG OBSERVED.
APHECOER*45	Aphelocoma coerulescens	Florida Scrub-jay	G2	S2	LT	LT	1981-03-05	OAK SCRUB	1981-03-05: 1 SCRUB JAY
APHECOER*44	Aphelocoma coerulescens	Florida Scrub-jay	G2	S2	LT	LT	1981-03-05	SECOND-GROWTH OAK SCRUB	1981-03-05: 2 SCRUB JAYS



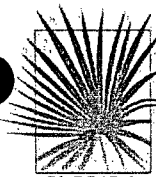
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GOPHPOLY*879	Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT	1994-05-12	Principal habitat on ranch is sandhill that has been disturbed by cattle ranching activities; pasture grasses have encroached into groundcover. Turkey oaks are large, longleaves are abundant though mostly small, wiregrass is widespread though sparse. Subs	1994-05-11, 12: Jackson and Printiss observed many active burrows; each of 4 burrows probed with 1 burrow camera contained an adult tortoise; one contained a gopher fly.
STILEXTE*24	Stilosoma extenuatum	Short-tailed Snake	G3	S3	N	LT	1991-10-24	XERIC HAMMOCK.	UNCATALOGUED FSM SPECIMEN, 1 NOVEMBER 1975, C.R. SMITH.
PTERECRI*78	Pteroglossaspis ecristata	Giant Orchid	G2G3	S2	N	LT	2003-08-20	2003-08-20: One plant observed in scrubby flatwoods which burned in May 2002 wildfire; plowlines in area (F03DEA01FLUS).	2003-08-20: One individual plant observed in fruit (F03DEA01FLUS).
BASISWAM*20	Basin swamp		G4	S3	N	N	2004	Basin Swamp surrounded by Sandhill.	2004: Update to last obs date was based on interpretation of aerial photography (previous value was 1994-05-11) (U05FNA02FLUS). Large (ca. 300 ac.) aesthetic swamp with permanent water; surrounded and dominated by tall pond cypress (Taxodium ascendens);
SANDHILL*105	Sandhill		G3	S2	N	N	2004	Moderate-Highly disturbed Sandhill bordered by and/or containing Basin Swamp, Depression Marshes and Xeric Hammock/Scrubby Flatwoods.	2004: Update to last obs date was based on interpretation of aerial photography (previous value was 1994-05-11) (U05FNA02FLUS). Groundcover includes many native species, including wiregrass (Aristida stricta), though pasture grasses have encroached; acco
FLOOSWAM*39	Floodplain swamp		G4	S4	N	N	2004	LARGE AREA OF CYPRESS-DOMINATED SWAMP; RED MAPLE AND POP ASH ALSO FREQUENT.	2004: Update to last obs date was based on interpretation of aerial photography (previous value was 1993-03-01) (U05FNA02FLUS).
DEPRMARS*54	Depression marsh		G4	S4	N	N	2004	Depression Marsh surrounded by Pine Plantation.	2004: Update to last obs date was based on interpretation of aerial photography (previous value was 1994-05-11) (U05FNA02FLUS). Surrounding habitat disturbed (plantation); water 1"-24" with abundant floating and submerged vegetation (especially water shi



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Matrix Unit ID: 26387					
Likely					
<i>Mycteria americana</i>	Wood Stork	G4	S2	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>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>Neofiber alleni</i>	Round-tailed Muskrat	G3	S3	N	N
<i>Nolina atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<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>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT

Matrix Unit ID: 26388

Likely

Mesic flatwoods	G4	S4	N	N
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Potential

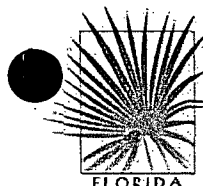
<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N

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Florida Natural Areas Inventory

Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Neofiber alleni</i>	Round-tailed Muskrat	G3	S3	N	N
<i>Nolina atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Picoides borealis</i>	Red-cockaded Woodpecker	G3	S2	LE	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>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT

Matrix Unit ID: 26659

Likely

Mesic flatwoods		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Sandhill		G3	S2	N	N

Potential

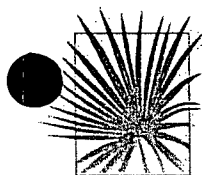
<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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 atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Phyllanthus leibmannianus ssp. platylepis</i>	Pinewood Dainties	G4T2	S2	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>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT

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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: 26660					
Likely					
Mesic flatwoods		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Sandhill		G3	S2	N	N
Potential					
<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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 atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Phyllanthus leibmannianus ssp. platylepis</i>	Pinewood Dainties	G4T2	S2	N	LE
<i>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Pteroglossaspis ecristata</i>	Giant Orchid	G2G3	S2	N	LT
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT

Matrix Unit ID: 26661

Likely

<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Sandhill		G3	S2	N	N

Potential

<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N

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Florida Natural Areas Inventory

Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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 atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Phyllanthus leibmannianus ssp. platylepis</i>	Pinewood Dainties	G4T2	S2	N	LE
<i>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Pteroglossaspis ecristata</i>	Giant Orchid	G2G3	S2	N	LT
<i>Pycnanthemum floridanum</i>	Florida Mountain-mint	G3	S3	N	LT
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT
<i>Trichomanes punctatum ssp. floridanum</i>	Florida Filmy Fern	G4G5T1	S1	N	LE

Matrix Unit ID: 26934

Likely

<i>Apelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
Mesic flatwoods		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Sandhill		G3	S2	N	N

Potential

<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Dicerandra comutissima</i>	Longspurred Mint	G1	S1	LE	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE

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Florida Natural Areas Inventory

Biodiversity Matrix Report



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<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>Phyllanthus leibmannianus</i> ssp. <i>platylepis</i>	Pinewood Dainties	G4T2	S2	N	LE
<i>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Pteroglossaspis ecristata</i>	Giant Orchid	G2G3	S2	N	LT
<i>Pycnanthemum floridanum</i>	Florida Mountain-mint	G3	S3	N	LT
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
Scrub		G2	S2	N	N
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT
<i>Trichomanes punctatum</i> ssp. <i>floridanum</i>	Florida Filmy Fern	G4G5T1	S1	N	LE

Matrix Unit ID: 26935

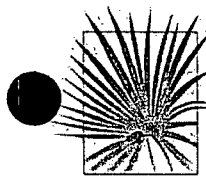
Likely

<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Mesic flatwoods		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Sandhill		G3	S2	N	N
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS

Potential

<i>Acipenser oxyrinchus desotoi</i>	Gulf Sturgeon	G3T2	S2	LT	LS
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Dicerandra cornutissima</i>	Longspurred Mint	G1	S1	LE	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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

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Florida Natural Areas Inventory

Biodiversity Matrix Report



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<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Phyllanthus leibmannianus</i> ssp. <i>platylepis</i>	Pinewood Dainties	G4T2	S2	N	LE
<i>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Pseudemys concinna suwanniensis</i>	Suwannee Cooter	G5T3	S3	N	LS
<i>Pteroglossaspis ecristata</i>	Giant Orchid	G2G3	S2	N	LT
<i>Pycnanthemum floridanum</i>	Florida Mountain-mint	G3	S3	N	LT
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
Scrub		G2	S2	N	N
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT
<i>Trichomanes punctatum</i> ssp. <i>floridanum</i>	Florida Filmy Fern	G4G5T1	S1	N	LE

Matrix Unit ID: 26936

Likely

<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Mesic flatwoods		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Scrub		G2	S2	N	N
Upland hardwood forest		G5	S3	N	N

Potential

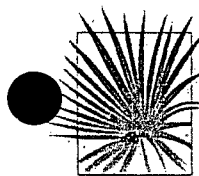
<i>Acipenser oxyrinchus desotoi</i>	Gulf Sturgeon	G3T2	S2	LT	LS
<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Pseudemys concinna suwanniensis</i>	Suwannee Cooter	G5T3	S3	N	LS
<i>Pycnanthemum floridanum</i>	Florida Mountain-mint	G3	S3	N	LT

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Florida Natural Areas Inventory

Biodiversity Matrix Report



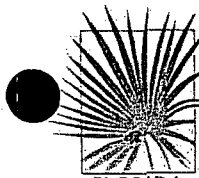
Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT
<i>Trichomanes punctatum</i> ssp. <i>floridanum</i>	Florida Filmy Fern	G4G5T1	S1	N	LE
Matrix Unit ID: 27211					
Documented					
<i>Pseudemys concinna suwanniensis</i>	Suwannee Cooter	G5T3	S3	N	LS
Likely					
<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
Floodplain swamp		G4	S4	N	N
Mesic flatwoods		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
Upland hardwood forest		G5	S3	N	N
Potential					
<i>Acipenser oxyrinchus desotoi</i>	Gulf Sturgeon	G3T2	S2	LT	LS
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Dicerandra cornutissima</i>	Longspurred Mint	G1	S1	LE	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Pteroglossaspis ecristata</i>	Giant Orchid	G2G3	S2	N	LT
<i>Pycnanthemum floridanum</i>	Florida Mountain-mint	G3	S3	N	LT
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
Scrub		G2	S2	N	N
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT
<i>Trichomanes punctatum</i> ssp. <i>floridanum</i>	Florida Filmy Fern	G4G5T1	S1	N	LE
<i>Triphora craigheadii</i>	Craighead's Nodding-caps	G1	S1	N	LE

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Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Matrix Unit ID: 27212					
Documented					
Depression marsh		G4	S4	N	N
Upland mixed forest		G4	S4	N	N
Likely					
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Upland hardwood forest		G5	S3	N	N
Potential					
<i>Acipenser oxyrinchus desotoi</i>	Gulf Sturgeon	G3T2	S2	LT	LS
<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Pseudemys concinna suwanniensis</i>	Suwannee Cooter	G5T3	S3	N	LS
<i>Pteroglossaspis ecristata</i>	Giant Orchid	G2G3	S2	N	LT
<i>Pycnanthemum floridanum</i>	Florida Mountain-mint	G3	S3	N	LT
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
Scrub		G2	S2	N	N
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT
<i>Trichomanes punctatum ssp. floridanum</i>	Florida Filmy Fern	G4G5T1	S1	N	LE
<i>Triphora craigheadii</i>	Craighead's Nodding-caps	G1	S1	N	LE

Matrix Unit ID: 27213

Documented

Dome swamp	G4	S4	N	N
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Florida Natural Areas Inventory

Biodiversity Matrix Report



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Likely					
Mesic flatwoods		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Scrub		G2	S2	N	N
Upland hardwood forest		G5	S3	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>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Pteroglossaspis ecristata</i>	Giant Orchid	G2G3	S2	N	LT
<i>Pycnanthemum floridanum</i>	Florida Mountain-mint	G3	S3	N	LT
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT

Matrix Unit ID: 27489

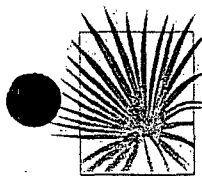
Likely

Mesic flatwoods	G4	S4	N	N
Upland hardwood forest	G5	S3	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>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS

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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>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>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>Pycnanthemum floridanum</i>	Florida Mountain-mint	G3	S3	N	LT
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT
<i>Triphora craigheadii</i>	Craighead's Nodding-caps	G1	S1	N	LE

Matrix Unit ID: 27490

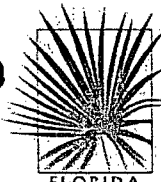
Likely

<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Scrub		G2	S2	N	N
Upland hardwood forest		G5	S3	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>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE

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<i>Neofiber alleni</i>	Round-tailed Muskrat	G3	S3	N	N
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Pteroglossaspis ecristata</i>	Giant Orchid	G2G3	S2	N	LT
<i>Pycnanthemum floridanum</i>	Florida Mountain-mint	G3	S3	N	LT
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT

Matrix Unit ID: 27769

Likely

<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
Mesic flatwoods		G4	S4	N	N
Upland hardwood forest		G5	S3	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>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>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>Pycnanthemum floridanum</i>	Florida Mountain-mint	G3	S3	N	LT
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT

Matrix Unit ID: 27770

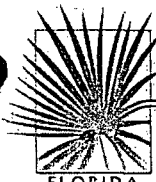
Likely

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Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
Mesic flatwoods		G4	S4	N	N
Upland hardwood forest		G5	S3	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>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>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>Pycnanthemum floridanum</i>	Florida Mountain-mint	G3	S3	N	LT
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT

Matrix Unit ID: 28057

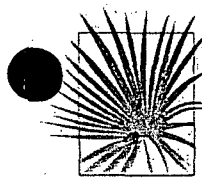
Likely

<i>Dicerandra cornutissima</i>	Longspurred Mint	G1	S1	LE	LE
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
Mesic flatwoods		G4	S4	N	N
Sandhill		G3	S2	N	N
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT

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>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE

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<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>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Pteroglossaspis ecristata</i>	Giant Orchid	G2G3	S2	N	LT
<i>Pycnanthemum floridanum</i>	Florida Mountain-mint	G3	S3	N	LT
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE

Matrix Unit ID: 28058

Likely

<i>Apfelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Dicerandra cornutissima</i>	Longspurred Mint	G1	S1	LE	LE
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
Sandhill		G3	S2	N	N
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT
Upland hardwood forest		G5	S3	N	N

Potential

<i>Agriponia 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>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>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>Pycnanthemum floridanum</i>	Florida Mountain-mint	G3	S3	N	LT
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Sideroxylon alachuense</i>	Silver Buckthorn	G1	S1	N	LE
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE

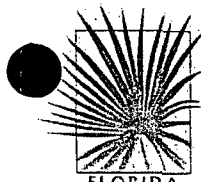
Matrix Unit ID: 28345

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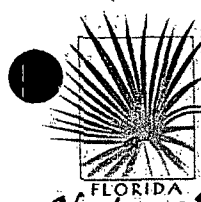
Florida Natural Areas Inventory

Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Likely					
<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Dicerandra cornutissima</i>	Longspurred Mint	G1	S1	LE	LE
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
Mesic flatwoods		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Sandhill		G3	S2	N	N
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT
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>Asplenium plenum</i>	Ruffed spleenwort	G1Q	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>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>Pycnanthemum floridanum</i>	Florida Mountain-mint	G3	S3	N	LT
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
Matrix Unit ID: 28346					
Likely					
<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Dicerandra cornutissima</i>	Longspurred Mint	G1	S1	LE	LE
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
Sandhill		G3	S2	N	N
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT
Upland hardwood forest		G5	S3	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

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<i>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>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>Pycnanthemum floridanum</i>	Florida Mountain-mint	G3	S3	N	LT
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sideroxylon alachuense</i>	Silver Buckthorn	G1	S1	N	LE
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE

Matrix Unit ID: 28636

Likely

<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Dicerandra comutissima</i>	Longspurred Mint	G1	S1	LE	LE
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
Mesic flatwoods		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Sandhill		G3	S2	N	N
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT

Potential

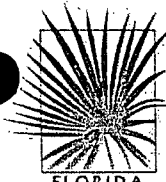
<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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

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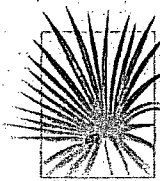
Florida Natural Areas Inventory

Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<i>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Peromyscus floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Pteroglossaspis ecristata</i>	Giant Orchid	G2G3	S2	N	LT
<i>Pycnanthemum floridanum</i>	Florida Mountain-mint	G3	S3	N	LT
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
Matrix Unit ID: 28637					
Likely					
<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Dicerandra cornutissima</i>	Longspurred Mint	G1	S1	LE	LE
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Sandhill		G3	S2	N	N
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT
Upland hardwood forest		G5	S3	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>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Peromyscus floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Pteroglossaspis ecristata</i>	Giant Orchid	G2G3	S2	N	LT
<i>Pycnanthemum floridanum</i>	Florida Mountain-mint	G3	S3	N	LT
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE

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FLORIDA Natural Areas INVENTORY

Element Occurrences

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

Conservation Lands

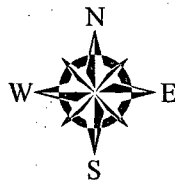
- Federal
- State
- Local
- Private
- ▨ State Aquatic Preserves

Land Acquisition Projects

- ▨ Florida Forever
- ▨ Board of Trustees Projects

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

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

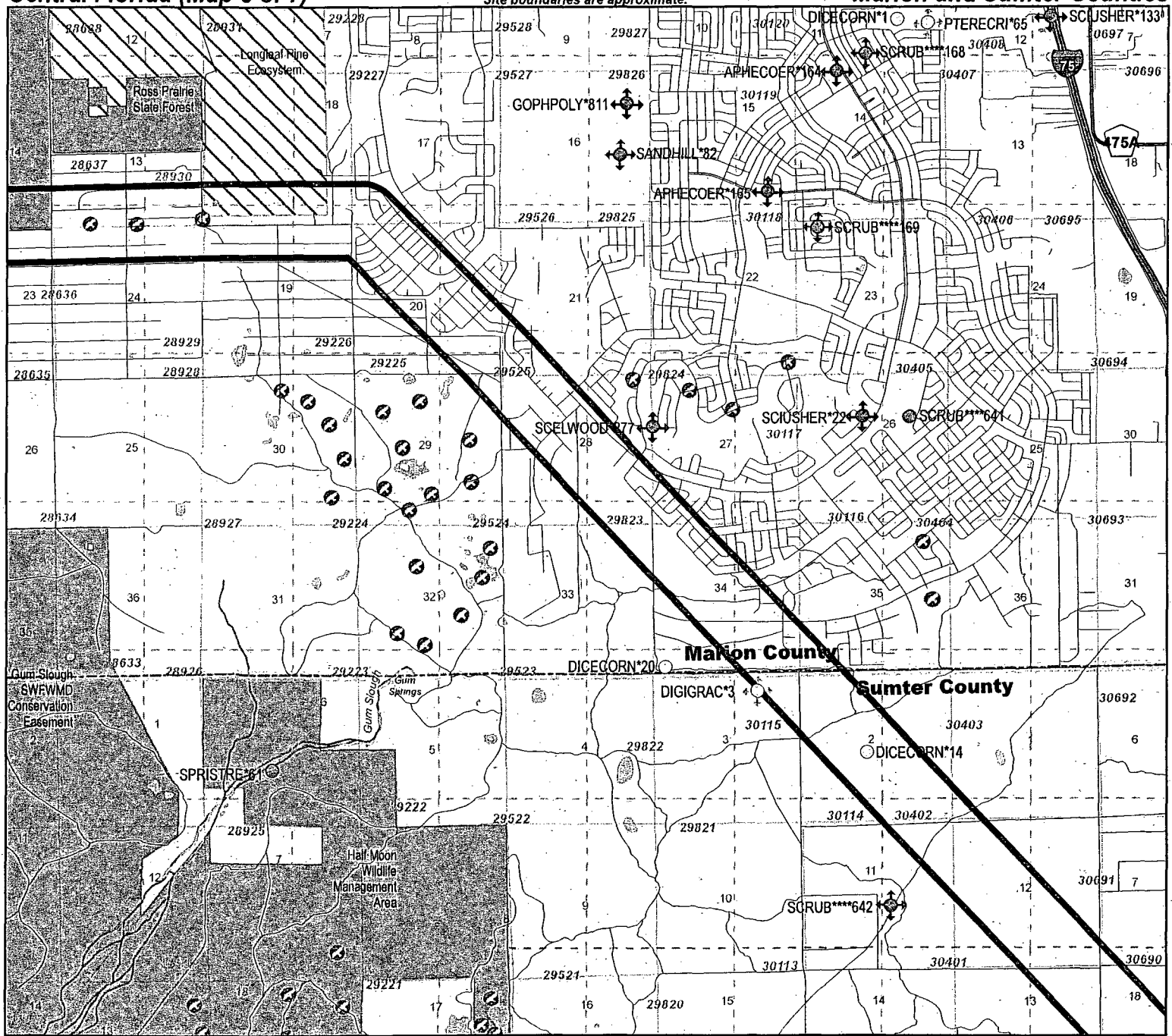


NOTE
Map should not be interpreted without accompanying documents.

Central Florida (Map 5 of 7)

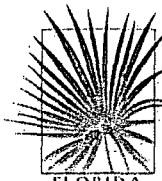
Site boundaries are approximate.

Marion and Sumter Counties



0 0.5 1 2 3 Miles

Map produced by LHH
Map Date: 15 APR 2008



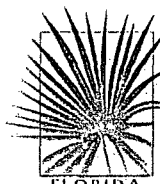
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Florida Natural Areas Inventory

ELEMENT OCCURRENCES DOCUMENTED ON OR NEAR PROJECT SITE



Map Label	Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing	Observation Date	Description	EO Comments
GOPHPOLY*811	Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT	1993-03-08	SANDHILL EO #82: AREA DOMINATED BY TURKEY OAKS, LONGLEAF PINE, AND SOME QUERCUS MARGARETTA; OAKS AND PINES OF VARIOUS AGES THROUGHOUT, SOME PINES VERY MATURE--NOT LOGGED? SOME ENCROACHMENT BY LIVE OAK AND SAND PINE. ON CANDLER SOILS (TYPIC QUARTZIPSAMMEN	SEVERAL BURROWS NOTED DURING MARION CO. NATURAL AREAS SURVEY.
SCRUB****168	Scrub		G2	S2	N	N	1981-02-18	OAK SCRUB	OCCURRENCE AT SITE
APHECOER*164	Aphelocoma coerulescens	Florida Scrub-jay	G2	S2	LT	LT	1981-02-18	OAK SCRUB	1981-02-18: 2 SCRUB JAYS
SCELWOOD*277	Sceloporus woodi	Florida Scrub Lizard	G3	S3	N	N	1987-07-07	Scrub	1987-07-07: S.P. Christman, MNH, observation.
APHECOER*165	Aphelocoma coerulescens	Florida Scrub-jay	G2	S2	LT	LT	1981-02-18	MIXTURE OF OAK SCRUB & MATURE SAND PINE SCRUB, BEING DEVELOPED	1981-02-18: 15 SCRUB JAYS
SCRUB****169	Scrub		G2	S2	N	N	1981-02-18	MIXTURE OF OAK SCRUB AND MATURE SAND PINE SCRUB, BEING DEVELOPED.	MIXTURE OF OAKS & MATURE SAND PINES, BEING DEVELOPED
SCIUSHER*22	Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS	1986	No general description given	ABUNDANT, 1986 AS REPORTED TO TIM O'MEARA BY FGC GAME MGT. SPECIALIST SUPERVISOR, CHARLES ORME.
DICECORN*14	Dicerandra cornutissima	Longspurred Mint	G1	S1	LE	LE	1988-11-14	No general description given	Specimen fertile.
DICECORN*1	Dicerandra cornutissima	Longspurred Mint	G1	S1	LE	LE	1988-01-09	OPEN AREA AT EDGE OF SAND PINE SCRUB ALONG ROAD. ALSO ON N.E. BOUNDARY.	1981: IN FRUIT. 1988 - CA. 120 PLANTS COUNTED ON BOTH N. & S. SIDES OF 484 BETWEEN ENTRANCE TO MARION OAKS ES- TATES AND E. BOUNDARY OF THE DEVELOPMENT. PLANTS ALSO STILL PRESENT ALONG RDS. IN DEVELOPMENT TO SOUTH OF 484 (CA. 200 PLANTS) - MAP ATTACHED.
SCRUB****641	Scrub		G2	S2	N	N	1987	No general description given	No EO data given



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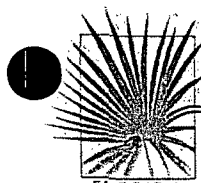
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Florida Natural Areas Inventory

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			
SPRISTRE*61	Spring-run stream		G2	S2	N	N	2004	PARTIAL CANOPY FROM FLOODPLAIN SWAMP (ACER RUBRUM, TAXODIUM DISTICHUM, FRAXINUS CARDINIANA(?), CORNUS FOEMINA(?), MYRICA CERIFERA, SALIX SP., SAMBUCUS CANADENSIS).	2004: Update to last obs date was based on interpretation of aerial photography (previous value was 1984-02-20) (U05FNA02FLUS). FED BY SEVEN SPRINGS; SUBSTRATE OF LIMEROCK OUTCROPS, COARSE SAND AND FINE LAYER OF ORGANICS; LOTIC ZONE: SAG. KURZIANA, VAL.
DIGIGRAC*3	Digitaria gracillima	Longleaf Crabgrass	G1	S1	N	N	2001	LONGLEAF PINE-TURKEY OAK SANDHILLS (U01STR01FLUS).	2001: NONE GIVEN (U01STRO01FLUS).
DICECORN*20	Dicerandra cornutissima	Longspurred Mint	G1	S1	LE	LE	2001	2001: LONGLEAF PINE - TURKEY OAK SANDHILLS (U01STR01FLUS).	2001: NO DATA GIVEN (U01STR01FLUS).
SCIUSHER*133	Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS	1989-09-15	Improved pasture, or sod farm	1989-09-15: J.A. Hovis, GFC, observed 1 squirrel. Reported by R.S. Kautz.
PTERECRI*65	Pteroglossaspis ecristata	Giant Orchid	G2G3	S2	N	LT	1999-08-17	1999-08-17: This population inhabits sand pine scrub under a filtered canopy of Pinus clausa, P. palustris, and Quercus laurifolia. In addition to saplings and seedlings of the foregoing canopy species, the understory is also portrayed by the following s	1999-08-17: Eight plants, all vegetative in phenology in an 8 sq. meter area. Poor vigor (U03SCH03FLUS).
SCRUB****642	Scrub		G2	S2	N	N	2004	No general description given	2004: Update to last obs date was based on interpretation of aerial photography (previous value was 2004) (U05FNA02FLUS). 2004: Update to last obs date was based on interpretation of aerial photography (previous value was 1987-07-19) (U05FNA02FLUS).
SANDHILL*82	Sandhill		G3	S2	N	N	2004	AREA DOMINATED BY TURKEY OAKS, LONGLEAF PINE, AND SOME QUERCUS MARGARETTA; OAKS AND PINES OF VARIOUS AGES THROUGHOUT, SOME PINES VERY MATURE--NOT LOGGED? SOME ENCROACHMENT BY LIVE OAK AND SAND PINE. ON CANDLER SOILS (TYPIC QUARTZIPSAMMENTS).	2004: Update to last obs date was based on interpretation of aerial photography (previous value was 1993-03-08) (U05FNA02FLUS). MODERATE QUALITY SANDHILL SURROUNDED BY RESIDENTIAL AREAS AND PASTURELAND.



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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: 28636					
Likely					
<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Dicerandra cornutissima</i>	Longspurred Mint	G1	S1	LE	LE
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
Mesic flatwoods		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Sandhill		G3	S2	N	N
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT
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>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>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>Pycnanthemum floridanum</i>	Florida Mountain-mint	G3	S3	N	LT
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE

Matrix Unit ID: 28637

Likely

<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Dicerandra cornutissima</i>	Longspurred Mint	G1	S1	LE	LE
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Sandhill		G3	S2	N	N
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT
Upland hardwood forest		G5	S3	N	N

Potential

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Florida Natural Areas Inventory

Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<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>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Peromyscus floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Pteroglossaspis ecristata</i>	Giant Orchid	G2G3	S2	N	LT
<i>Pycnanthemum floridanum</i>	Florida Mountain-mint	G3	S3	N	LT
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE

Matrix Unit ID: 28929

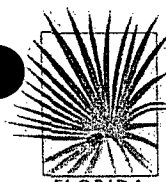
Likely

<i>Apelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Dicerandra comutissima</i>	Longspurred Mint	G1	S1	LE	LE
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
Mesic flatwoods		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Sandhill		G3	S2	N	N

Potential

<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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

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Florida Natural Areas Inventory

Biodiversity Matrix Report



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<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>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Pteroglossaspis ecristata</i>	Giant Orchid	G2G3	S2	N	LT
<i>Pycnanthemum floridanum</i>	Florida Mountain-mint	G3	S3	N	LT
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Salix floridana</i>	Florida Willow	G2	S2	N	LE
<i>Sceloporus woodi</i>	Florida Scrub Lizard	G3	S3	N	N
<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: 28930

Likely

<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Dicerandra cornutissima</i>	Longspurred Mint	G1	S1	LE	LE
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Sandhill		G3	S2	N	N
Scrub		G2	S2	N	N
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT

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>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>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>Sceloporus woodi</i>	Florida Scrub Lizard	G3	S3	N	N
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE

Matrix Unit ID: 29226

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

Florida Natural Areas Inventory

Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Likely					
<i>Dicerandra cornutissima</i>	Longspurred Mint	G1	S1	LE	LE
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
Mesic flatwoods		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Sandhill		G3	S2	N	N
Scrub		G2	S2	N	N
Potential					
<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Pteroglossaspis ecristata</i>	Giant Orchid	G2G3	S2	N	LT
<i>Pycnanthemum floridanum</i>	Florida Mountain-mint	G3	S3	N	LT
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Salix floridana</i>	Florida Willow	G2	S2	N	LE
<i>Sceloporus woodi</i>	Florida Scrub Lizard	G3	S3	N	N
<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: 29227

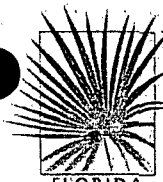
Likely

<i>Dicerandra cornutissima</i>	Longspurred Mint	G1	S1	LE	LE
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
Sandhill		G3	S2	N	N
Scrub		G2	S2	N	N

Potential

<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N

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Florida Natural Areas Inventory

Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<i>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Neofiber alleni</i>	Round-tailed Muskrat	G3	S3	N	N
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Pteroglossaspis ecrinata</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>Sceloporus woodi</i>	Florida Scrub Lizard	G3	S3	N	N
<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: 29524

Likely

<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Dicerandra cornutissima</i>	Longspurred Mint	G1	S1	LE	LE
<i>Digitaria gracillima</i>	Longleaf Crabgrass	G1	S1	N	N
Mesic flatwoods		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE

Potential

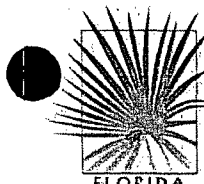
<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS

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Florida Natural Areas Inventory

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Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Pycnanthemum floridanum</i>	Florida Mountain-mint	G3	S3	N	LT
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Salix floridana</i>	Florida Willow	G2	S2	N	LE
<i>Sceloporus woodi</i>	Florida Scrub Lizard	G3	S3	N	N
<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>Triphora craigheadii</i>	Craighead's Nodding-caps	G1	S1	N	LE

Matrix Unit ID: 29525

Likely

<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Dicerandra cornutissima</i>	Longspurred Mint	G1	S1	LE	LE
<i>Digitaria gracillima</i>	Longleaf Crabgrass	G1	S1	N	N
Mesic flatwoods		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Scrub		G2	S2	N	N

Potential

<i>Agrimonia incisa</i>	Incised Groove-bur.	G3	S2	N	LE
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium plenum</i>	Ruffed spleenwort	G1Q	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Pteroglossaspis ecristata</i>	Giant Orchid	G2G3	S2	N	LT
<i>Pycnanthemum floridanum</i>	Florida Mountain-mint	G3	S3	N	LT
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Salix floridana</i>	Florida Willow	G2	S2	N	LE
<i>Sceloporus woodi</i>	Florida Scrub Lizard	G3	S3	N	N
<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: 29526

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Florida Natural Areas Inventory

Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Likely					
<i>Dicerandra cornutissima</i>	Longspurred Mint	G1	S1	LE	LE
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
Sandhill		G3	S2	N	N
Scrub		G2	S2	N	N
Potential					
<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Pteroglossaspis ecristata</i>	Giant Orchid	G2G3	S2	N	LT
<i>Pycnanthemum floridanum</i>	Florida Mountain-mint	G3	S3	N	LT
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Salix floridana</i>	Florida Willow	G2	S2	N	LE
<i>Sceloporus woodi</i>	Florida Scrub Lizard	G3	S3	N	N
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Sideroxylon alachuense</i>	Silver Buckthorn	G1	S1	N	LE
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT

Matrix Unit ID: 29822

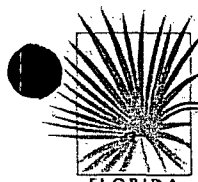
Documented

<i>Dicerandra cornutissima</i>	Longspurred Mint	G1	S1	LE	LE
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Likely

<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Digitaria gracillima</i>	Longleaf Crabgrass	G1	S1	N	N
Mesic flatwoods		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Sandhill		G3	S2	N	N
Sandhill upland lake		G3	S2	N	N
Scrub		G2	S2	N	N

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Florida Natural Areas Inventory

Biodiversity Matrix Report



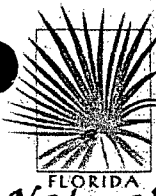
Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Potential					
<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>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>Sceloporus woodi</i>	Florida Scrub Lizard	G3	S3	N	N
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Triphora craigheadii</i>	Craighead's Nodding-caps	G1	S1	N	LE
Matrix Unit ID: 29823					
Documented					
<i>Dicerandra cornutissima</i>	Longspurred Mint	G1	S1	LE	LE
Likely					
<i>Apfelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Digitaria gracillima</i>	Longleaf Crabgrass	G1	S1	N	N
Mesic flatwoods		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Sandhill		G3	S2	N	N
Scrub		G2	S2	N	N
Potential					
<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N

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Florida Natural Areas Inventory

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<i>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>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>Sceloporus woodi</i>	Florida Scrub Lizard	G3	S3	N	N
<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>Triphora craigheadii</i>	Craighead's Nodding-caps	G1	S1	N	LE

Matrix Unit ID: 29824

Likely

<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Dicerandra cornutissima</i>	Longspurred Mint	G1	S1	LE	LE
<i>Digitaria gracillima</i>	Longleaf Crabgrass	G1	S1	N	N
Scrub		G2	S2	N	N

Potential

<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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

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<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>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>Sceloporus woodi</i>	Florida Scrub Lizard	G3	S3	N	N
<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>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*

Matrix Unit ID: 30114

Likely

<i>Dicerandra cornutissima</i>	Longspurred Mint	G1	S1	LE	LE
<i>Digitaria gracillima</i>	Longleaf Crabgrass	G1	S1	N	N
Sandhill		G3	S2	N	N
Scrub		G2	S2	N	N

Potential

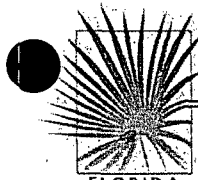
<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cucularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>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>Sceloporus woodi</i>	Florida Scrub Lizard	G3	S3	N	N
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE

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Florida Natural Areas Inventory

Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Matrix Unit ID: 30115					
Documented					
<i>Dicerandra cornutissima</i>	Longspurred Mint	G1	S1	LE	LE
<i>Digitaria gracillima</i>	Longleaf Crabgrass	G1	S1	N	N
Likely					
<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
Mesic flatwoods		G4	S4	N	N
Sandhill		G3	S2	N	N
Scrub		G2	S2	N	N
Potential					
<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>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>Sceloporus woodi</i>	Florida Scrub Lizard	G3	S3	N	N
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE

Matrix Unit ID: 30116

Likely

<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Dicerandra cornutissima</i>	Longspurred Mint	G1	S1	LE	LE
<i>Digitaria gracillima</i>	Longleaf Crabgrass	G1	S1	N	N
Mesic flatwoods		G4	S4	N	N
Scrub		G2	S2	N	N

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Florida Natural Areas Inventory

Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
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>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>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>Sceloporus woodi</i>	Florida Scrub Lizard	G3	S3	N	N
<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>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*

Matrix Unit ID: 30401

Likely

<i>Dicerandra cornutissima</i>	Longspurred Mint	G1	S1	LE	LE
<i>Digitaria gracillima</i>	Longleaf Crabgrass	G1	S1	N	N
Sandhill		G3	S2	N	N
Scrub		G2	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>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT

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Florida Natural Areas Inventory

Biodiversity Matrix Report



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<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Peromyscus 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>Sceloporus woodi</i>	Florida Scrub Lizard	G3	S3	N	N
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE

Matrix Unit ID: 30402

Likely

<i>Dicerandra cornutissima</i>	Longspurred Mint	G1	S1	LE	LE
<i>Digitaria gracillima</i>	Longleaf Crabgrass	G1	S1	N	N
Sandhill		G3	S2	N	N
Scrub		G2	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>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>Peromyscus floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Pteroglossaspis ecristata</i>	Giant Orchid	G2G3	S2	N	LT

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Florida Natural Areas Inventory

Biodiversity Matrix Report



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<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Salix floridana</i>	Florida Willow	G2	S2	N	LE
<i>Sceloporus woodi</i>	Florida Scrub Lizard	G3	S3	N	N
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*

Matrix Unit ID: 30403

Likely

<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Dicerandra cornutissima</i>	Longspurred Mint	G1	S1	LE	LE
Mesic flatwoods		G4	S4	N	N
Sandhill upland lake		G3	S2	N	N
Scrub		G2	S2	N	N

Potential

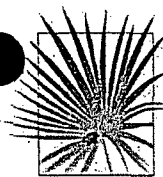
<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>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>Sceloporus woodi</i>	Florida Scrub Lizard	G3	S3	N	N
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Triphora craigheadii</i>	Craighead's Nodding-caps	G1	S1	N	LE
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*

Matrix Unit ID: 30690

Likely

<i>Dicerandra cornutissima</i>	Longspurred Mint	G1	S1	LE	LE
<i>Digitaria gracillima</i>	Longleaf Crabgrass	G1	S1	N	N

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Florida Natural Areas Inventory

Biodiversity Matrix Report



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<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Sandhill		G3	S2	N	N
Scrub		G2	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>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>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
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*

Matrix Unit ID: 30691

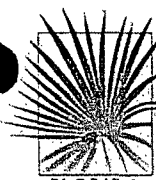
Likely

<i>Dicerandra cornutissima</i>	Longspurred Mint	G1	S1	LE	LE
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Sandhill		G3	S2	N	N
Scrub		G2	S2	N	N

Potential

<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS

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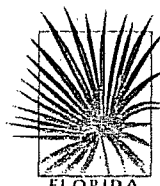
Florida Natural Areas Inventory

Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>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
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*

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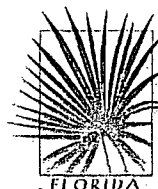
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Florida Natural Areas Inventory

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			
SCRUB****307	Scrub		G2	S2	N	N	1981-04-20	GRASSY PALMETTO SCRUB.	No EO data given
GOPHPOLY*302	Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT	1987-pre	No general description given	1987-pre: Species occurrence noted here in Diemer's unpublished map set (U86DIE01FLUS).
PLEGFALC*40	Plegadis falcinellus	Glossy Ibis	G5	S3	N	N	1988-05-16	Small clump of elderberry in spoil-farm pond next to FL. Turnpike.	1988-05-16: R. Sullivan, GFC - GRHE and LBHE young in feathered stage. "Total" (nests?) = 47 (also includes SNEG, GLIB, ANHI).
EGRETHUL*250	Egretta thula	Snowy Egret	G5	S3	N	LS	1988-05-16	1988-05-16: Small clump of elderberry in spoil/farm pond next to FL. Turnpike (U97GFC02FLUS).	1988-05-16: R. Sullivan, GFC. GRHE and LBHE young in feathered stage. "Total" (nests?) = 47 (also includes SNEG, GLIB, ANHI) (U97GFC02FLUS).
EGRECAER*373	Egretta caerulea	Little Blue Heron	G5	S4	N	LS	1988-05-16	Small clump of elderberry in spoil/farm pond.	1988/05/16: R. Sullivan, GFC, observation. GRHE and LBHE young in feathered stage. "Total" (nests?) = 47 (also includes SNEG, GLIB, ANHI).
EGRECAER*372	Egretta caerulea	Little Blue Heron	G5	S4	N	LS	1988-05-19	Willows in wet prairie.	1988/05/19: R. Sullivan, GFC, observation. 200-300 CAEG roosting, but no nests observed. LBHE and CAEG seen in loafing on colony nesting stage. ANHI and GBHE seen in feathered young nesting stage. "Total" (nests?) = B.
APHECOER*307	Aphelocoma coerulescens	Florida Scrub-jay	G2	S2	LT	LT	1981	2004-12-11: Clump of palmettos no longer persist here (PNDJEN04FLUS). 1981: CLUMP OF SAW PALMETTOS ON RIGHT-OF-WAY (PNDCOX01FLUS)	2004-12-11: Informal survey to update EO produced no scrub jays. Area has been converted to improved pasture, no habitat left; inspection of 2004 aerial photography flown 03/11/2004 shows development of something surrounded by an oval shaped road under c
FLOOFORE*15	Floodplain forest		G4	S3	N	N	1997-08-13	Floodplain swamp on edge of spring run stream which grades into upland mixed forest and cutover sandhill now dominated by pond pine (Pinus serotina).	1997-08-13: Extensive floodplain forest with a canopy of Taxodium distichum, Liquidambar styraciflua, Nyssa biflora, Acer rubrum, and Fraxinus pennsylvanica. Subcanopy of Sabal palmetto and Carpinus caroliniana. Very sparse shrub layer but herbs are dens
PITUMUGI*174	Pituophis melanoleucus mugitus	Florida Pine Snake	G4T3	S3	N	LS	1991-09-18	Sandhill.	Specimen UF 83633 collected by D. Stevenson and D. Crowe, Sept. 18, 1991.



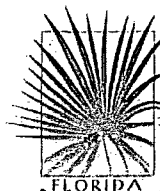
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BAYGALL**2	Baygall		G4	S4	N	N	2004	VERY EXTENSIVE, WELL-DEVELOPED SEEPAGE SWAMP DOMINATED BY BAY SPP. RECEIVES TREATED SEWAGE FROM WILDWOOD.	2004: Update to last obs date was based on interpretation of aerial photography (previous value was 1982-06-16) (U05FNA02FLUS).
APHECOER*308	Aphelocoma coerulescens	Florida Scrub-jay	G2	S2	LT	LT	1981-04-20	GRASSY PALMETTO SCRUB.	1981-02-21: 3-4 SCRUB JAYS; 1981-04-20: 4 SCRUB JAYS.
NEOFALLE*27	Neofiber alleni	Round-tailed Muskrat	G3	S3	N	N	1991-07-22	1991-07-22: Depression Marsh and Floodplain Marsh (U97GFC02FLUS).	1991: D.J. Stevenson, GFC, observed 1 adult (U97GFC02FLUS).
EGRECAER*368	Egretta caerulea	Little Blue Heron	G5	S4	N	LS	1989-05-09	Willow island in borrow pit.	1989/05/09: J.A. Hovis, GFC, observation. CAEG in incubation posture. Surveyed from helicopter. Site not visited by plane in 1989. "Total" = X (unknown).
BIRDROOK*15	Bird Rookery		GNR	SNR	N	N	1978-04	CYPRESS STRAND ALONG LAKE AND CREEK, NESTING SUB- STRATE OF CYPRESS.	GREAT BLUE HERON (5 PRS IN 4/77, NONE THEREAFTER); WOOD STORK (40 PRS IN 4/77; EMPTY ON NEXT VISIT IN 4/78).
PSEUSUWA*31	Pseudemys concinna suwanniensis	Suwannee Cooter	G5T3	S3	N	LS	1991-07-22	Spring run stream	1991-07-22: D.S. Crowe, GFC, observed 1 adult.
ARAMGUAR*25	Aramus guarana	Limpkin	G5	S3	N	LS	1991-07-22	Seepage stream	1991-07-22: D.J. Stevenson, GFC, observed 1 adult.
FALCPAUL*95	Falco sparverius paulus	Southeastern American Kestrel	G5T4	S3	N	LT	1991-05-13	Improved pasture, or sod farm	1991-05-13: J.A. Hovis, GFC, observed 1 adult female; also observed approx. 1 week ago (5/06?-NeSmith) by S.F. Husted..
MYCTAMER*23	Mycteria americana	Wood Stork	G4	S2	LE	LE	1978-04	CYPRESS STRAND ALONG LAKE AND CREEK, NESTING SUB- STRATE OF CYPRESS.	43-45 NESTING PAIRS IN 4/77; NONE IN 4/78.
CROTADAM*293	Crotalus adamanteus	Eastern Diamondback Rattlesnake	G4	S3	N	N	2003-04-22	2003-04-22: individual observed in oak scrub community (U03DEA03FLUS).	2003-04-22: DeAngelis observed one Crotalus adamanteus in an oak scrub community (U03DEA03FLUS).
DRYMCoup*490	Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT	2003-04-24	2003-04-24: one Drymarchon couperi was found in an oak scrub community (U03DEA02FLUS).	2003-05-01: One Drymarchon couperi was found near the east-central boundary of Lake Panasoffkee (SWFWMD) in an oak scrub community (PNDDEA03FLUS).



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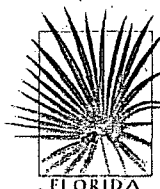
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DRYMCoup*492	Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT	2004-03-16	2004-03-16 (J. DeAngelis): one indigo was observed in an isolated upland community of Quercus geminata, Quercus myrtifolia, Quercus chapmani, and Serenoa repens (PNDDEA03FLUS, U04DEA01FLUS).	2004: J. DeAngelis found one eastern indigo snake in disturbed uplands (PNDDEA03FLUS, U04DEA01FLUS).
PECLPLUM*6	Pecluma plumula	Plume Polypody	G5	S2	N	LE	2004	2004: moist hammock in transition from cypress, epiphytic on live oak (PNDDEA03FLUS).	2004: dozens of plants epiphytic on large live oak (PNDDEA03FLUS).
SCRUB****642	Scrub		G2	S2	N	N	2004	No general description given	2004: Update to last obs date was based on interpretation of aerial photography (previous value was 2004) (U05FNA02FLUS). 2004: Update to last obs date was based on interpretation of aerial photography (previous value was 1987-07-19) (U05FNA02FLUS).
PECLPLUM*7	Pecluma plumula	Plume Polypody	G5	S2	N	LE	2005-07-13	2003-07-29: mesic and hydric hammock on live oak with resurrection fern and green fly orchid. Canopy includes magnolia, sweetgum, cabbage palm, and needle palm (in shrubs). Several large (4'+ dbh) Quercus virginiana contained an estimated 200-300 plant	2005-07-13: at least 300-400 plants seen, probably hundreds more in hammock, epiphytic on live oaks, many with sporangia (PNDGUL01FLUS).
HALILEUC*105	Haliaeetus leucocephalus	Bald Eagle	G5	S3	N	LT	2003	No general description given	Nest status 1995-2003: Continuously active. (U03FWC01FLUS). Previous data (note different format) NEST: 1995: PRODUCED 2 YOUNG; 1994: PRODUCED 1 YOUNG; 1993: PRODUCED 2 YOUNG; 1992: ACTIVE, NO DATA; 1991: PRODUCED 1 YOUNG; 1990-84: NO DATA; 1976-1983 ACT
HALILEUC*879	Haliaeetus leucocephalus	Bald Eagle	G5	S3	N	LT	2003	No general description given	Nest status 1995-2003: Continuously active. (U03FWC01FLUS). Previous data (note different format) Nest; 1995: Produced 1 young; 1994: Produced 2 young; 1993: Produced 2 young.
DRYMCoup*505	Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT	2004-02-10	2004-02-10: Scrub with xeric oaks, saw palmetto, and sparse grasses. Area covers approximately 350 acres (U04DEA01FLUS).	2004-02-10: One indigo within close proximity to tortoise burrow (U04DEA01FLUS).



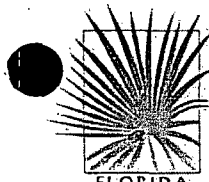
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CENTAREN*20	Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	N	LE	2002-07-10	2002-07-10: SANDHILL, GENTLY SLOPING TO ADJACENT MARSH; DOMINANT SPECIES: PINUS PAULSTRIS, QUERCUS LAEVIS, Q. GEMINATA (SOME Q. MARGARETTA), ARISTIDA STRICTA, BAHIA GRASS (PNDEA03FLUS).	2002-07-10: 4 PLANTS, FLOWERING; STEMS INTERTWINED WITH CLITORIA MARIANA VINES (PNDDEA03FLUS).
RANACAPI*160	Rana capito	Gopher Frog	G3	S3	N	LS	2003-03-25	2003: Scrubby flatwoods with longleaf pine, saw palmetto, wiregrass, scrub oaks, 5-10% sand in grassy areas, isolated wetlands; burned late February 2003; all marshes and wetlands filled in March (U03DEA01FLUS).	2003-03-25: Joel DeAngelis observed one individual at site during daytime. Area was openvery wet at time.



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Biodiversity Matrix Report



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Matrix Unit ID: 30689					
Likely					
<i>Dicerandra cornutissima</i>	Longspurred Mint	G1	S1	LE	LE
<i>Digitaria gracillima</i>	Longleaf Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Sandhill		G3	S2	N	N
Scrub		G2	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>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>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

Matrix Unit ID: 30690

Likely

<i>Dicerandra cornutissima</i>	Longspurred Mint	G1	S1	LE	LE
<i>Digitaria gracillima</i>	Longleaf Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Sandhill		G3	S2	N	N
Scrub		G2	S2	N	N

Potential

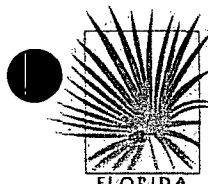
<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N

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<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>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
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*

Matrix Unit ID: 30978

Likely

<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT

Potential

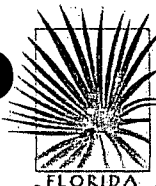
<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Neofiber alleni</i>	Round-tailed Muskrat	G3	S3	N	N
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS

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Florida Natural Areas Inventory

Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<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>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*

Matrix Unit ID: 30979

Likely

<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Upland hardwood forest		G5	S3	N	N

Potential

<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>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>Triphora craigheadii</i>	Craighead's Nodding-caps	G1	S1	N	LE

Matrix Unit ID: 30980

Likely

<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Upland hardwood forest		G5	S3	N	N

Potential

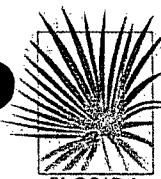
<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
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Florida Natural Areas Inventory

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<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Dicerandra cornutissima</i>	Longspurred Mint	G1	S1	LE	LE
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<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
<i>Triphora craigheadii</i>	Craighead's Nodding-caps	G1	S1	N	LE
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*

Matrix Unit ID: 31269

Likely

<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Falco sparverius paulus</i>	Southeastern American Kestrel	G5T4	S3	N	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Mesic flatwoods		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
<i>Neofiber alleni</i>	Round-tailed Muskrat	G3	S3	N	N
Sandhill		G3	S2	N	N
Upland hardwood forest		G5	S3	N	N

Potential

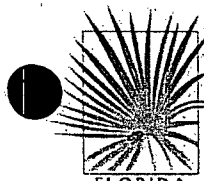
<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N

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<i>Dicerandra cornutissima</i>	Longspurred Mint	G1	S1	LE	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Justicia cooley</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Trichomanes punctatum ssp. floridanum</i>	Florida Filmy Fern	G4G5T1	S1	N	LE
<i>Triphora craigheadii</i>	Craighead's Nodding-caps	G1	S1	N	LE

Matrix Unit ID: 31270

Likely

<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Falco sparverius paulus</i>	Southeastern American Kestrel	G5T4	S3	N	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Upland hardwood forest		G5	S3	N	N

Potential

<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Triphora craigheadii</i>	Craighead's Nodding-caps	G1	S1	N	LE
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*

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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: 31271					
Likely					
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Upland hardwood forest		G5	S3	N	N
Potential					
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Triphora craigheadii</i>	Craighead's Nodding-caps	G1	S1	N	LE
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*

Matrix Unit ID: 31561

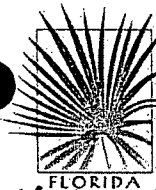
Likely

<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Falco sparverius paulus</i>	Southeastern American Kestrel	G5T4	S3	N	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Mesic flatwoods		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Upland hardwood forest		G5	S3	N	N

Potential

<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT

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Florida Natural Areas Inventory

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<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Justicia cooley</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Pteroglossaspis ecristata</i>	Giant Orchid	G2G3	S2	N	LT
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Trichomanes punctatum ssp. floridanum</i>	Florida Filmy Fern	G4G5T1	S1	N	LE
<i>Triphora craigheadii</i>	Craighead's Nodding-caps	G1	S1	N	LE

Matrix Unit ID: 31562

Likely

<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Upland hardwood forest		G5	S3	N	N

Potential

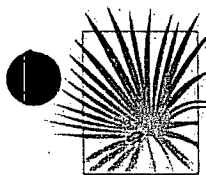
<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>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>Trichomanes punctatum ssp. floridanum</i>	Florida Filmy Fern	G4G5T1	S1	N	LE
<i>Triphora craigheadii</i>	Craighead's Nodding-caps	G1	S1	N	LE

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Florida Natural Areas Inventory

Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*
Matrix Unit ID: 31860					
Documented					
Baygall		G4	S4	N	N
Likely					
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
Mesic flatwoods		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Scrub		G2	S2	N	N
Potential					
<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Dicerandra cornutissima</i>	Longspurred Mint	G1	S1	LE	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
<i>Justicia cooleyi</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>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>Pycnanthemum floridanum</i>	Florida Mountain-mint	G3	S3	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>Trichomanes punctatum ssp. floridanum</i>	Florida Filmy Fern	G4G5T1	S1	N	LE
<i>Triphora craigheadii</i>	Craighead's Nodding-caps	G1	S1	N	LE

Matrix Unit ID: 31861

Likely

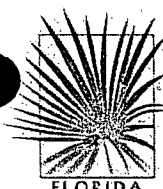
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
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Florida Natural Areas Inventory

Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Upland hardwood forest		G5	S3	N	N
Potential					
<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	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>Justicia cooleyii</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Pteroglossaspis ecristata</i>	Giant Orchid	G2G3	S2	N	LT
<i>Pycnanthemum floridanum</i>	Florida Mountain-mint	G3	S3	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>Trichomanes punctatum ssp. floridanum</i>	Florida Filmy Fern	G4G5T1	S1	N	LE
<i>Triphora craigheadii</i>	Craighead's Nodding-caps	G1	S1	N	LE

Matrix Unit ID: 31862

Likely

<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Upland hardwood forest		G5	S3	N	N

Potential

<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE

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Florida Natural Areas Inventory

Biodiversity Matrix Report



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<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Justicia cooley</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Pteroglossaspis ecrinata</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>Trichomanes punctatum ssp. floridanum</i>	Florida Filmy Fern	G4G5T1	S1	N	LE
<i>Triphora craigheadii</i>	Craighead's Nodding-caps	G1	S1	N	LE
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*

Matrix Unit ID: 32169

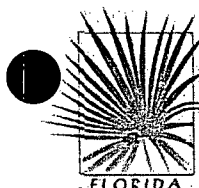
Likely

<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Egretta caerulea</i>	Little Blue Heron	G5	S4	N	LS
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE

Potential

<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Justicia cooley</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>Pycnanthemum floridanum</i>	Florida Mountain-mint	G3	S3	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>Trichomanes punctatum ssp. floridanum</i>	Florida Filmy Fern	G4G5T1	S1	N	LE

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Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<i>Triphora craigheadii</i>	Craighead's Nodding-caps	G1	S1	N	LE
Matrix Unit ID: 32170					
Likely					
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
Mesic flatwoods		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Upland hardwood forest		G5	S3	N	N
Potential					
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
<i>Justicia cooley</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Pycnanthemum floridanum</i>	Florida Mountain-mint	G3	S3	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>Trichomanes punctatum ssp. floridanum</i>	Florida Filmy Fern	G4G5T1	S1	N	LE
<i>Triphora craigheadii</i>	Craighead's Nodding-caps	G1	S1	N	LE

Matrix Unit ID: 32171

Likely

<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Upland hardwood forest		G5	S3	N	N

Potential

<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N

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Florida Natural Areas Inventory

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<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	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>Justicia cooleyi</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	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>Trichomanes punctatum ssp. floridanum</i>	Florida Filmy Fern	G4G5T1	S1	N	LE
<i>Triphora craighheadii</i>	Craighead's Nodding-caps	G1	S1	N	LE

Matrix Unit ID: 32172

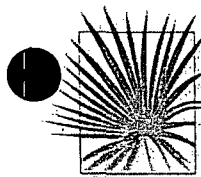
Likely

<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Upland hardwood forest		G5	S3	N	N

Potential

<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	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>Justicia cooleyi</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS

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<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>Trichomanes punctatum</i> ssp. <i>floridanum</i>	Florida Filmy Fern	G4G5T1	S1	N	LE
<i>Triphora craigheadii</i>	Craighead's Nodding-caps	G1	S1	N	LE

Matrix Unit ID: 32489

Likely

<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Upland hardwood forest		G5	S3	N	N

Potential

<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
<i>Justicia cooley</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Trichomanes punctatum</i> ssp. <i>floridanum</i>	Florida Filmy Fern	G4G5T1	S1	N	LE
<i>Triphora craigheadii</i>	Craighead's Nodding-caps	G1	S1	N	LE

Matrix Unit ID: 32490

Likely

<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Upland hardwood forest		G5	S3	N	N

Potential

<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE

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Florida Natural Areas Inventory

Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
<i>Justicia cooleyii</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Triphora craigheadii</i>	Craighead's Nodding-caps	G1	S1	N	LE

Matrix Unit ID: 32491

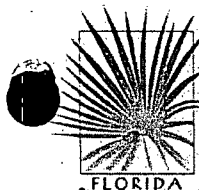
Likely

<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Upland hardwood forest		G5	S3	N	N

Potential

<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
<i>Justicia cooleyii</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Trichomanes punctatum ssp. floridanum</i>	Florida Filmy Fern	G4G5T1	S1	N	LE
<i>Triphora craigheadii</i>	Craighead's Nodding-caps	G1	S1	N	LE

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Florida Natural Areas Inventory

Biodiversity Matrix Report



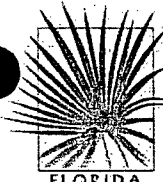
Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Matrix Unit ID: 32810					
Likely					
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Egretta caerulea</i>	Little Blue Heron	G5	S4	N	LS
<i>Egretta thula</i>	Snowy Egret	G5	S3	N	LS
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
<i>Plegadis falcinellus</i>	Glossy Ibis	G5	S3	N	N
Upland hardwood forest		G5	S3	N	N
Potential					
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
<i>Justicia cooley</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Trichomanes punctatum ssp. floridanum</i>	Florida Filmy Fern	G4G5T1	S1	N	LE
<i>Triphora craighedii</i>	Craighead's Nodding-caps	G1	S1	N	LE
Matrix Unit ID: 32811					
Likely					
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Egretta caerulea</i>	Little Blue Heron	G5	S4	N	LS
<i>Egretta thula</i>	Snowy Egret	G5	S3	N	LS
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
Mesic flatwoods		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
<i>Plegadis falcinellus</i>	Glossy Ibis	G5	S3	N	N
Upland hardwood forest		G5	S3	N	N
Potential					
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS

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Florida Natural Areas Inventory

Biodiversity Matrix Report



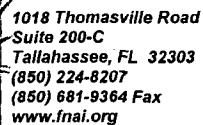
Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
<i>Justicia cooleyi</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Triphora craigheadii</i>	Craighead's Nodding-caps	G1	S1	N	LE

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FLORIDA
Natural Areas
INVENTORY

Element Occurrences



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








Conservation Lands

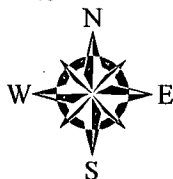
-  Federal
 State
 Local
 Private
 State Aquatic Preserves

Land Acquisition Projects

- 
- Florida Forever
Board of Trustees Projects

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

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

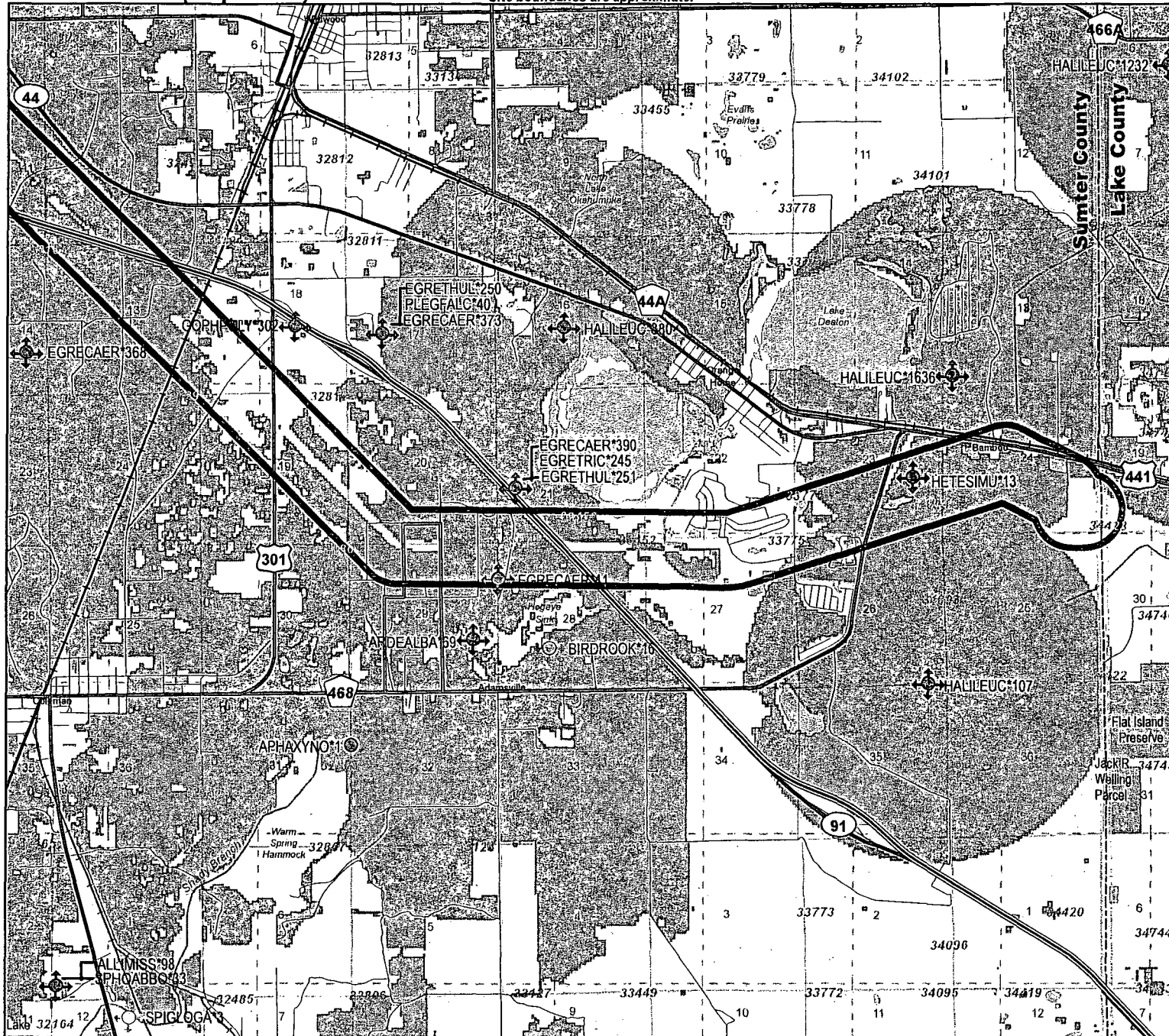


NOTE
Map should not be interpreted without
accompanying documents.

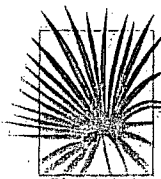
Central Florida (Map 7 of 7)

Site boundaries are approximate.

Sumter and Lake Counties



Map produced by LHH
Map Date: 15 APR 2008



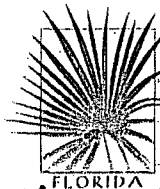
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Florida Natural Areas Inventory

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				
ARDEALBA*69	Ardea alba	Great Egret	G5	S4	N	N		1978-07	POND SURROUNDED BY WILLOWS AND PASTURE LAND; 4/78. NESTING SUBSTRATE IS WILLOWS OVER WATER.	10 NESTING PAIRS IN 4/77; 10 PRS IN 4/78.
EGRECAER*390	Egretta caerulea	Little Blue Heron	G5	S4	N	LS		1988-05-16	Willows in freshwater wetland.	1988/05/16: R. Sullivan, GFC, observation. "Unable to estimate numbers." (GREG, SNEG, CAEG, GBHE, LBHE, TCHE, WHIB, ANHI present). 1989/05/09: Total = A, ANHI present.
HETESIMU*13	Heterodon simus	Southern Hognose Snake	G2	S2	N	N		1995-07-23	Bahia grass pasture ca. 100 yards from 30 acres of live oak hammock and female in GOPHERUS burrow. surrounding semi-permanent pond; GEOMYS abundant; BUFO QUERCICUS breeds in two ponds (U00ASH01FLUS).	1995-07-23: Ashton observed adult male in GOPHERUS burrow.
EGRETRIC*245	Egretta tricolor	Tricolored Heron	G5	S4	N	LS		1988-05-16	No general description given	1988/05/16: R. Sullivan, GFC. "Unable to estimate numbers."
GOPHPOLY*302	Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT		1987-pre	No general description given	1987-pre: Species occurrence noted here in Diemer's unpublished map set (U86DIE01FLUS).
PLEGFALC*40	Plegadis falcinellus	Glossy Ibis	G5	S3	N	N		1988-05-16	Small clump of elderberry in spoil-farm pond next to FL Turnpike.	1988-05-16: R. Sullivan, GFC - GRHE and LBHE young in feathered stage. "Total" (nests?) = 47 (also includes SNEG, GLIB, ANHI).
EGRECAER*41	Egretta caerulea	Little Blue Heron	G5	S4	N	LS		1978-07	POND SURROUNDED BY WILLOWS AND PASTURE LAND; NESTING SUBSTRATE IS WILLOWS OVER WATER.	ACTIVE IN AREA, BUT NO KNOWN NESTING ACTIVITY.
EGRETHUL*250	Egretta thula	Snowy Egret	G5	S3	N	LS		1988-05-16	1988-05-16: Small clump of elderberry in spoil/farm pond next to FL Turnpike (U97GFC02FLUS).	1988-05-16: R. Sullivan, GFC, GRHE and LBHE young in feathered stage. "Total" (nests?) = 47 (also includes SNEG, GLIB, ANHI) (U97GFC02FLUS).
BIRDROOK*16	Bird Rookery		GNR	SNR	N	N		1978-07	POND SURROUNDED BY WILLOWS AND PASTURE LAND; NESTING SUBSTRATE IS WILLOWS OVER WATER.	MOSTLY CATTLE EGRETS (2000 PRS 6/76; 3500 PRS 4/77; 4000 4/78). LITTLE BLUE HERON (ACTIVE BUT NO NESTING); GREAT EGRET (10 PRS 4/77; 10 PRS 4/78); ANHINGA & GREAT BLUE HERON ARE ACTIVE IN AREA, BUT APPARENTLY DON'T NEST.



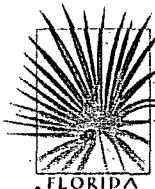
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Florida Natural Areas Inventory

ELEMENT OCCURRENCES DOCUMENTED ON OR NEAR PROJECT SITE



Map Label	Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing	Observation Date	Description	EO Comments
EGRETHUL*251	<i>Egretta thula</i>	Snowy Egret	G5	S3	N	LS	1988-05-16	Willows in freshwater wetland.	1988/05/16: R. Sullivan, GFC. "Unable to estimate numbers."
EGRECAER*373	<i>Egretta caerulea</i>	Little Blue Heron	G5	S4	N	LS	1988-05-16	Small clump of elderberry in spoil/farm pond.	1988/05/16: R. Sullivan, GFC, observation. GRHE and LBHE young in feathered stage. "Total" (nests?) = 47 (also includes SNEG, GLIB, ANHI).
SPIGLOGA*3	<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE	2005-06-30	2005-06-30: Site a Ruderal clearing based on FNAI community classification. Park setting with canopy oaks and a mowed herbaceous strata (F05RUS20FLUS). 1992-06-13: SCATTERED THROUGHOUT PARK, SEVERAL PLANTS UNDER QUERCUS VIRGINIANA AND IN MESIC WOODS BOR	2005-06-30: 20 plants counted in flower/bud. More plants present in vegetative form, but extremely difficult to assess (F05RUS20FLUS). 1992-06-13: SCATTERED THROUGHOUT PARK, SEVERAL PLANTS UNDER QUERCUS VIRGINIANA AND IN MESIC WOODS; FLOWERING AN
EGRECAER*368	<i>Egretta caerulea</i>	Little Blue Heron	G5	S4	N	LS	1989-05-09	Willow island in borrow pit.	1989/05/09: J.A. Hovis, GFC, observation. CAEG in incubation posture. Surveyed from helicopter. Site not visited by plane in 1989. "Total" = X (unknown).
ALLIMISS*98	<i>Alligator mississippiensis</i>	American Alligator	G5	S4	SAT	LS	1991-03-14	No general description given	UF 80808, D. Stevens. [Mapped just outside boundaries of Lake Panasoffkee (M.USFLHP*2465)/SWFWMD.]
HALILEUC*1636	<i>Haliaeetus leucocephalus</i>	Bald Eagle	G5	S3	N	LT	2002	2005-07-12: Source does not provide a description.	Nest status: Active, 2002; Not active, 2003; Unknown status or not assessed, 2001, 2000, 1999;(U03FWC01FLUS)
HALILEUC*1232	<i>Haliaeetus leucocephalus</i>	Bald Eagle	G5	S3	N	LT	2003	2005-07-12: Source does not provide a description.	Nest status: Active, 2003, 2002, 2001; Unknown status or not assessed, 2000, 1999;(U03FWC01FLUS)
HALILEUC*107	<i>Haliaeetus leucocephalus</i>	Bald Eagle	G5	S3	N	LT	2003	No general description given	Nest status 1999-2003: Active - 2003, 2002, 2001; Inactive - 2000, 1999;Status 1995-98: Continuously active. (U03FWC01FLUS). Previous data (note different format) NEST: 1995: PRODUCED 1 YOUNG; 1994: PRODUCED 1 YOUNG; 1993-92: GONE; 1991: INACTIVE; 1990-8
HALILEUC*880	<i>Haliaeetus leucocephalus</i>	Bald Eagle	G5	S3	N	LT	2003	No general description given	Nest status 1995-2003: Continuously active. (U03FWC01FLUS). Previous data (note different format) Nest: 1995: Produced 2 young; 1994: Inactive; 1993: Active, produced 0 young.



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Florida Natural Areas Inventory

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				
APHAXYNO*1	Aphaostracon xynoelictum	Fenney Springs Hydrobe Snail	G1	S1	N	N		1967-05-25	FENNEY SPRINGS IS 2 VERTICAL-SIDED POOLS FORMED BY A COLLAPSED LIMESTONE CAVERN. POOLS DRAIN INTO LARGE SPRING RUN THAT FLOWS WESTWARD.	ELEMENT FOUND ONLY IN SPRING POOLS AND RUN IN IMMEDIATE VICINITY OF SPRINGS, ON SUBSTRATE, DEBRIS, VEGETATION. ABUNDANT IN LATE SUMMER ON MOSS-COVERED LIMESTONE BOULDERS. ASSOCIATED WITH CINCINNATIA FLORIDANA (ABUNDANT IN SPRING-RUN).
SPHOABBO*33	Sphodros abbotti	Blue Purse-web Spider	GNR	S4	N	N		1998-02-10	1998-02-10: webs found at the bases of trees (U98MOL02FLUS).	1998-02-10: Three females was collected on site by P.E. Moler and B.Mansell (U98MOL02FLUS).

Florida Natural Areas Inventory

Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Matrix Unit ID: 32169					
Likely					
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Egretta caerulea</i>	Little Blue Heron	G5	S4	N	LS
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Potential					
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Justicia cooleyi</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>Pycnanthemum floridanum</i>	Florida Mountain-mint	G3	S3	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>Trichomanes punctatum ssp. floridanum</i>	Florida Filmy Fern	G4G5T1	S1	N	LE
<i>Triphora craigheadii</i>	Craighead's Nodding-caps	G1	S1	N	LE

Matrix Unit ID: 32170

Likely

<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
Mesic flatwoods		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Upland hardwood forest		G5	S3	N	N

Potential

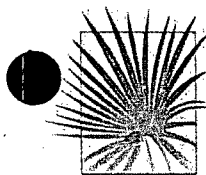
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N

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Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
<i>Justicia cooleyi</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Pycnanthemum floridanum</i>	Florida Mountain-mint	G3	S3	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>Trichomanes punctatum ssp. floridanum</i>	Florida Filmy Fern	G4G5T1	S1	N	LE
<i>Triphora craigheadii</i>	Craighead's Nodding-caps	G1	S1	N	LE

Matrix Unit ID: 32171

Likely

<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Upland hardwood forest		G5	S3	N	N

Potential

<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	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>Justicia cooleyi</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	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

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<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Trichomanes punctatum</i> ssp. <i>floridanum</i>	Florida Filmy Fern	G4G5T1	S1	N	LE
<i>Triphora craigheadii</i>	Craighead's Nodding-caps	G1	S1	N	LE

Matrix Unit ID: 32489

Likely

<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Upland hardwood forest		G5	S3	N	N

Potential

<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
<i>Justicia cooley</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Trichomanes punctatum</i> ssp. <i>floridanum</i>	Florida Filmy Fern	G4G5T1	S1	N	LE
<i>Triphora craigheadii</i>	Craighead's Nodding-caps	G1	S1	N	LE

Matrix Unit ID: 32490

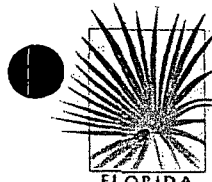
Likely

<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Upland hardwood forest		G5	S3	N	N

Potential

<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N

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Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
<i>Justicia cooleyi</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Triphora craigheadii</i>	Craighead's Nodding-caps	G1	S1	N	LE

Matrix Unit ID: 32491

Likely

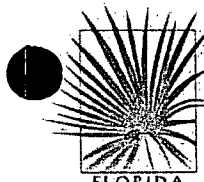
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Upland hardwood forest		G5	S3	N	N

Potential

<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
<i>Justicia cooleyi</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Trichomanes punctatum ssp. floridanum</i>	Florida Filmy Fern	G4G5T1	S1	N	LE
<i>Triphora craigheadii</i>	Craighead's Nodding-caps	G1	S1	N	LE

Matrix Unit ID: 32809

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Likely					
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
Upland hardwood forest		G5	S3	N	N
Potential					
<i>Ardea alba</i>	Great Egret	G5	S4	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
Bird Rookery		GNR	SNR	N	N
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Egretta caerulea</i>	Little Blue Heron	G5	S4	N	LS
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
<i>Justicia cooley</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Trichomanes punctatum ssp. floridanum</i>	Florida Filmy Fern	G4G5T1	S1	N	LE
<i>Triphora craigheadii</i>	Craighead's Nodding-caps	G1	S1	N	LE

Matrix Unit ID: 32810

Likely

<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Egretta caerulea</i>	Little Blue Heron	G5	S4	N	LS
<i>Egretta thula</i>	Snowy Egret	G5	S3	N	LS
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
<i>Plegadis falcinellus</i>	Glossy Ibis	G5	S3	N	N
Upland hardwood forest		G5	S3	N	N

Potential

<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE

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<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
<i>Justicia cooleyi</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Trichomanes punctatum ssp. floridanum</i>	Florida Filmy Fern	G4G5T1	S1	N	LE
<i>Triphora craigheadii</i>	Craighead's Nodding-caps	G1	S1	N	LE

Matrix Unit ID: 32811

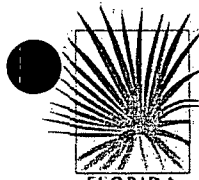
Likely

<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Egretta caerulea</i>	Little Blue Heron	G5	S4	N	LS
<i>Egretta thula</i>	Snowy Egret	G5	S3	N	LS
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
Mesic flatwoods		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
<i>Plegadis falcinellus</i>	Glossy Ibis	G5	S3	N	N
Upland hardwood forest		G5	S3	N	N

Potential

<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
<i>Justicia cooleyi</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS

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<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Triphora craigheadii</i>	Craighead's Nodding-caps	G1	S1	N	LE

Matrix Unit ID: 33130

Likely

<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Egretta caerulea</i>	Little Blue Heron	G5	S4	N	LS
<i>Egretta thula</i>	Snowy Egret	G5	S3	N	LS
<i>Egretta tricolor</i>	Tricolored Heron	G5	S4	N	LS
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Upland hardwood forest		G5	S3	N	N

Potential

<i>Ardea alba</i>	Great Egret	G5	S4	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
Bird Rookery		GNR	SNR	N	N
<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>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Eriogonum longifolium</i> var. <i>gnaphalifolium</i>	Scrub Buckwheat	G4T3	S3	LT	LE
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
<i>Justicia cooley</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Pycnanthemum floridanum</i>	Florida Mountain-mint	G3	S3	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>Trichomanes punctatum</i> ssp. <i>floridanum</i>	Florida Filmy Fern	G4G5T1	S1	N	LE
<i>Triphora craigheadii</i>	Craighead's Nodding-caps	G1	S1	N	LE

Matrix Unit ID: 33131

Likely

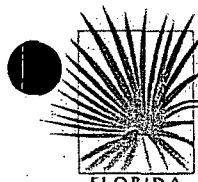
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
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<i>Egretta caerulea</i>	Little Blue Heron	G5	S4	N	LS
<i>Egretta thula</i>	Snowy Egret	G5	S3	N	LS
<i>Egretta tricolor</i>	Tricolored Heron	G5	S4	N	LS
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
<i>Plegadis falcinellus</i>	Glossy Ibis	G5	S3	N	N
Upland hardwood forest		G5	S3	N	N
Potential					
<i>Ardea alba</i>	Great Egret	G5	S4	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
Bird Rookery		GNR	SNR	N	N
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
<i>Justicia cooley</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Triphora craigheadii</i>	Craighead's Nodding-caps	G1	S1	N	LE

Matrix Unit ID: 33452

Likely

<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Egretta caerulea</i>	Little Blue Heron	G5	S4	N	LS
<i>Egretta thula</i>	Snowy Egret	G5	S3	N	LS
<i>Egretta tricolor</i>	Tricolored Heron	G5	S4	N	LS
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Upland hardwood forest		G5	S3	N	N

Potential

<i>Ardea alba</i>	Great Egret	G5	S4	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS

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Florida Natural Areas Inventory

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Bird Rookery		GNR	SNR	N	N
<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>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Eriogonum longifolium</i> var. <i>gnaphalifolium</i>	Scrub Buckwheat	G4T3	S3	LT	LE
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
<i>Justicia cooley</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S3	N	LE
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Pycnanthemum floridanum</i>	Florida Mountain-mint	G3	S3	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>Trichomanes punctatum</i> ssp. <i>floridanum</i>	Florida Filmy Fern	G4G5T1	S1	N	LE
<i>Triphora craigheadii</i>	Craighead's Nodding-caps	G1	S1	N	LE

Matrix Unit ID: 33453

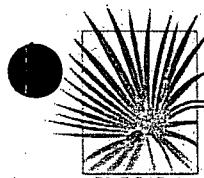
Likely

<i>Egretta caerulea</i>	Little Blue Heron	G5	S4	N	LS
<i>Egretta thula</i>	Snowy Egret	G5	S3	N	LS
<i>Egretta tricolor</i>	Tricolored Heron	G5	S4	N	LS
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Upland hardwood forest		G5	S3	N	N

Potential

<i>Ardea alba</i>	Great Egret	G5	S4	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium plenum</i>	Ruffled spleenwort	G1Q	S1	N	N
Bird Rookery		GNR	SNR	N	N
<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>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<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>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT

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<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
<i>Justicia cooley</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S3	N	LE
<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>Trichomanes punctatum ssp. floridanum</i>	Florida Filmy Fern	G4G5T1	S1	N	LE
<i>Triphora craigheadii</i>	Craighead's Nodding-caps	G1	S1	N	LE

Matrix Unit ID: 33775

Likely

<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE

Potential

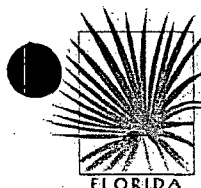
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Carex chapmanii</i>	Chapman's Sedge	G3	S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<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>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S3	N	LE
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<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>Triphora craigheadii</i>	Craighead's Nodding-caps	G1	S1	N	LE

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Matrix Unit ID: 33776					
Likely					
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Potential					
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<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>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<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>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S3	N	LE
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<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>Triphora craigheadii</i>	Craighead's Nodding-caps	G1	S1	N	LE

Matrix Unit ID: 34098

Likely

<i>Haliaeetus leucocephalus</i>	Bald Eagle	G5	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE

Potential

<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<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>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<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>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N

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Documented-Historic - Rare species and natural communities documented, but not observed/reported within the last twenty years.

Likely - Rare species and natural communities likely to occur on this site based on suitable habitat and/or known occurrences in the vicinity.

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

Florida Natural Areas Inventory

Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<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>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S3	N	LE
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<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>Triphora craigheadii</i>	Craighead's Nodding-caps	G1	S1	N	LE

Matrix Unit ID: 34099

Likely

<i>Haliaeetus leucocephalus</i>	Bald Eagle	G5	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE

Potential

<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<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>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>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>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<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>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>Neoseps reynoldsi</i>	Sand Skink	G2	S2	LT	LT
<i>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S3	N	LE
<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>Triphora craigheadii</i>	Craighead's Nodding-caps	G1	S1	N	LE

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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: 34422					
Likely					
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Potential					
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium plenum</i>	Ruffled spleenwort	G1Q	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>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>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>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>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>Neoseps reynoldsi</i>	Sand Skink	G2	S2	LT	LT
<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>Pycnanthemum floridanum</i>	Florida Mountain-mint	G3	S3	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>Trichomanes punctatum</i> ssp. <i>floridanum</i>	Florida Filmy Fern	G4G5T1	S1	N	LE
<i>Triphora craigheadii</i>	Craighead's Nodding-caps	G1	S1	N	LE

Matrix Unit ID: 34423

Likely

<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
Mesic flatwoods		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE

Potential

<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

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Florida Natural Areas Inventory

Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<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>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>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<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>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>Neoseps reynoldsi</i>	Sand Skink	G2	S2	LT	LT
<i>Nolina brittoniana</i>	Britton's Beargrass	G3	S3	LE	LE
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S3	N	LE
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Polygala lewtonii</i>	Lewton's Polygala	G3	S3	LE	LE
<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>Triphora craigheadii</i>	Craighead's Nodding-caps	G1	S1	N	LE

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

April 17, 2008

Mike Whitten
Tetra Tech NUS, Inc.
900 Trail Ridge Road
Aiken, SC 29803

Dear Mr. Whitten,

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: Lake Tarpon
Date Received: April 2, 2008
Location: Citrus, Hernando, Pasco, Hillsborough, Pinellas Counties

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.*



Florida Resources
and Environmental
Analysis Center

Institute of Science
and Public Affairs

The Florida State University

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

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. 14-16-0004-91-950.

Managed Areas

Portions of the site appear to be located within: the Crystal River Preserve State Park, managed by the Florida Department of Environmental Protection, Division of Recreation and Parks; the Withlacoochee State Forest, managed by the Florida Department of Agriculture and Consumer Services, Division of Forestry; the Chassahowitzka Wildlife Management Area, managed by the Florida Fish and Wildlife Conservation Commission; the Starkey Wilderness Park, managed by the Southwest Florida Water Management District; the Brooker Creek Preserve, managed by the Southwest Florida Water Management District; and the Brooker Creek Buffer Preserve, managed by Hillsborough County.

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

Land Acquisition Projects

This site appears to be located within: the Florida Springs Coastal Greenway Florida Forever BOT Project, and the Annutteliga Hammock Florida Forever BOT Project which are all part of the State of Florida's Conservation and Recreation Lands land acquisition program. For more information on this Florida Forever Project, contact the Florida Department of Environmental Protection, Division of State Lands.

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

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

Please visit www.fnai.org/trackinglist.cfm 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

Encl

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>

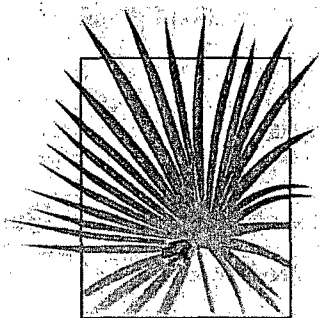
LE Listed as Endangered Plants in the Preservation of Native Flora of Florida Act. Defined as species of plants native to the state that are in imminent danger of extinction within the state, the survival of which is unlikely if the causes of a decline in the number of plants continue, and includes all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

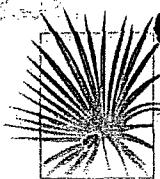
The FNAI Biodiversity Matrix offers **built-in interpretation** of the likelihood of species occurrence for each 1-square-mile Matrix Unit across the state. The report includes a site map and list of species and natural communities by occurrence status: Documented, Documented-Historic, Likely, and Potential.

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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 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

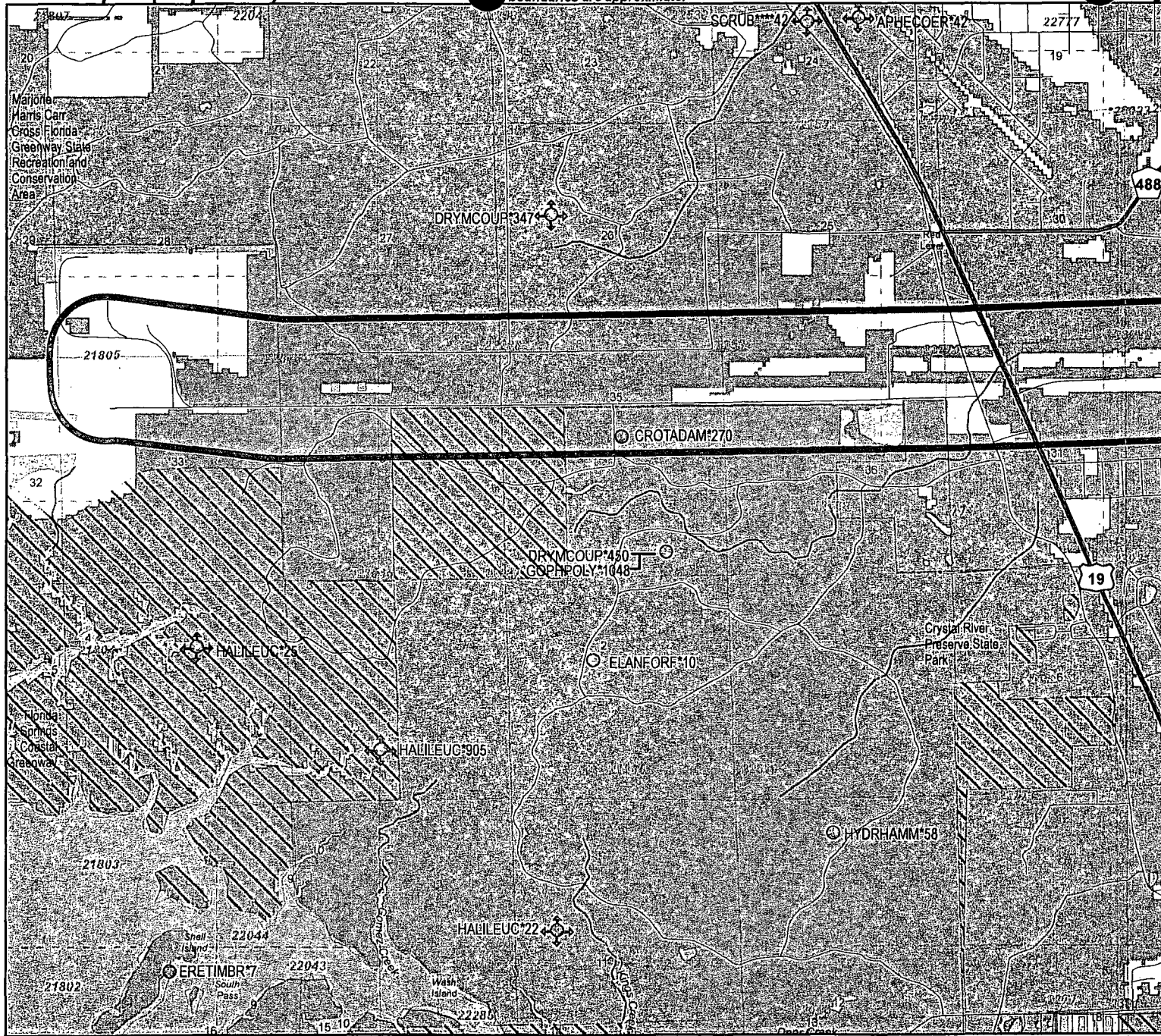


NOTE
Map should not be interpreted without
accompanying documents.

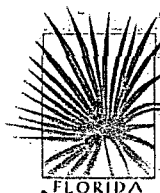
Lake Tarpon (Map 1 of 9)

boundaries are approximate.

Citrus County



Map produced by LHH
Map Date: 15 APR 2008



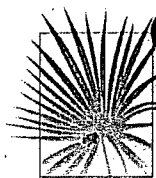
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Florida Natural Areas Inventory

ELEMENT OCCURRENCES DOCUMENTED ON OR NEAR PROJECT SITE



Map Label	Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing	Observation Date	Description	EO Comments
APHECOER*42	Aphelocoma coerulescens	Florida Scrub-jay	G2	S2	LT	LT	1981-02-21	GRASSY PALMETTO SCRUB	1981-02-21: 11 SCRUB JAYS
SCRUB****42	Scrub		G2	S2	N	N	2004	GRASSY PALMETTO SCRUB	2004: Update to last obs date was based on interpretation of aerial photography (previous value was 1981-02-21) (U05FNA02FLUS). OCCURRENCE AT SITE
ERETIMBR*7	Eretmochelys imbricata	Hawksbill	G3	S1	LE	LE	1997-04-02	Coastal hammock island.	1997-04-02: One adult turtle found dead, decomposing (U97MAI01FLUS).
HYDRHAMM*58	Hydric hammock		G4	S4	N	N	1997-04-07	This hammock is deep in the woods. Crystal River marshes and swamps are its south and west border. The north and east edges are flatwoods and sandhills, also within the preserve.	1997-04-07: Completely canopied by mature trees reaching over 100 feet; understory and ground layer fairly open from lack of light; succession dominated by light gaps; enormous, clearly old growth. Hammock is interspersed with shallow running streams and
DRYMCoup*347	Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT	1973-10	No general description given	MUSEUM SPECIMEN: S. CHRISTMAN, OCT 1973, UF.
GOPHPOLY*1048	Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT	1997-04-08	Planted slash pine; includes some relic sandhill planted with slash pine and turkey oak (NW1/4 of section 2 T18SR16E).	1997-04-08: One individual sighted on dirt road in NW1/4 section 1 T18SR16E (S. Blitch et al.). 1995-1997: S. Blitch made several sightings of tortoises at three different locations within element occurrence boundaries (see attached map).
CROTADAM*270	Crotalus adamanteus	Eastern Diamondback Rattlesnake	G4	S3	N	N	1996	Planted pine.	1996: S. Blitch observed one individual once or twice near state buffer preserve's shop.
ELANFORF*10	Elanoides forficatus	Swallow-tailed Kite	G5	S2	N	N	1995-SPRING	No general description given	1995 Spring: One pair nested in planted slash pine (S. Blitch).
DRYMCoup*450	Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT	1996-XX-XX	Planted slash pine and pine flatwoods (T17SR16E sec. 35); oak hammock and pasture (T18SR16E Sec. 1) (S. Blitch); mature slash pine plantation (G. Maidhoff).	1995-1996: Individuals observed at four different locations by S. Blitch (no specific dates). 1995-02-21: One snake observed by Ms. Yulee Commander basking in fire trail (U95MAI02).



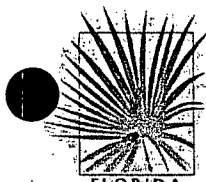
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Florida Natural Areas Inventory

ELEMENT OCCURRENCES DOCUMENTED ON OR NEAR PROJECT SITE



Map Label	Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing	Observation Date	Description	EO Comments
HALILEUC*22	<i>Haliaeetus leucocephalus</i>	Bald Eagle	G5	S3	N	LT	1991	No general description given	Nest status 1999-2003: Inactive - 2003; Unknown/not assessed - 2002, 2001, 2000, 1999; Status 1995-98: Inactive - 1998, 1997, 1996, 1995; (U03FWC01FLUS). Previous data (note different format) NEST: 1995: GONE; 1994: INACTIVE; 1993: INACTIVE; 1992: NO DAT
HALILEUC*905	<i>Haliaeetus leucocephalus</i>	Bald Eagle	G5	S3	N	LT	2003	No general description given	Nest status 1995-2003: Continuously active. (U03FWC01FLUS). Previous data (note different format) Nest; 1995: Produced 1 young; 1994: Produced 1 young; 1993: Produced 1 young; 1992: No data; 1991: Produced 1 young; 1990: No data; 1989: Produced 1 young;
HALILEUC*25	<i>Haliaeetus leucocephalus</i>	Bald Eagle	G5	S3	N	LT	1991	No general description given	Nest status 1999-2003: Inactive - 2003; Unknown/not assessed - 2002, 2001, 2000, 1999; Status 1995-98: Inactive - 1998, 1997, 1996, 1995; (U03FWC01FLUS). Previous data (note different format) NEST: 1995-93: GONE; 1992: NO DATA; 1991: ACTIVE, PRODUCTIVITY



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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: 21805					
Likely					
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
Manatee aggregation site		GNR	SNR	N	N
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*
Potential					
<i>Acipenser oxyrinchus desotoi</i>	Gulf Sturgeon	G3T2	S2	LT	LS
<i>Ammodramus maritimus peninsulae</i>	Scott's Seaside Sparrow	G4T3Q	S3	N	LS
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Caretta caretta</i>	Loggerhead	G3	S3	LT	LT
<i>Chelonia mydas</i>	Green Turtle	G3	S2	LE	LE
<i>Cistothorus palustris marianae</i>	Marian's Marsh Wren	G5T3	S3	N	LS
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Justicia cooleyi</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Leitneria floridana</i>	Corkwood	G3	S3	N	LT
<i>Mustela frenata peninsulae</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Neovison vison halilimnetes</i>	Gulf Salt Marsh Mink	G5T3	S3	N	N
<i>Nerodia clarkii clarkii</i>	Gulf Salt Marsh Snake	G4T4	S3?	N	N
<i>Phyllanthus leibmannianus ssp. platylepis</i>	Pinewood Dainties	G4T2	S2	N	LE
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Rallus longirostris scottii</i>	Florida Clapper Rail	G5T3?	S3?	N	N
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Trichechus manatus</i>	Manatee	G2	S2	LE	LE

Matrix Unit ID: 22046

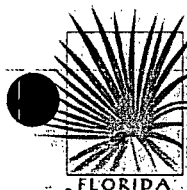
Likely

<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
Mesic flatwoods		G4	S4	N	N
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*

Potential

<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Justicia cooleyi</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Leitneria floridana</i>	Corkwood	G3	S3	N	LT
<i>Mustela frenata peninsulae</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Neovison vison halilimnetes</i>	Gulf Salt Marsh Mink	G5T3	S3	N	N
<i>Phyllanthus leibmannianus ssp. platylepis</i>	Pinewood Dainties	G4T2	S2	N	LE
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS

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
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
Matrix Unit ID: 22288					
Documented					
<i>Crotalus adamanteus</i>	Eastern Diamondback Rattlesnake	G4	S3	N	N
Likely					
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*
Potential					
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Justicia cooleyi</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Leitneria floridana</i>	Corkwood	G3	S3	N	LT
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Neovison vison halilimnetes</i>	Gulf Salt Marsh Mink	G5T3	S3	N	N
<i>Phyllanthus leibmannianus ssp. platylepis</i>	Pinewood Dainties	G4T2	S2	N	LE
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE

Matrix Unit ID: 22531

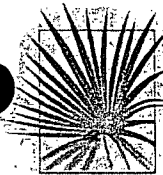
Likely					
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
Mesic flatwoods		G4	S4	N	N
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*
Potential					
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Justicia cooleyi</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Leitneria floridana</i>	Corkwood	G3	S3	N	LT
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Neovison vison halilimnetes</i>	Gulf Salt Marsh Mink	G5T3	S3	N	N
<i>Phyllanthus leibmannianus ssp. platylepis</i>	Pinewood Dainties	G4T2	S2	N	LE
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE

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Florida Natural Areas Inventory

Biodiversity Matrix Report



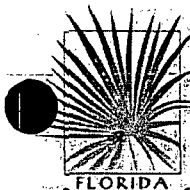
Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT
Matrix Unit ID: 22775					
Likely					
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
Mesic flatwoods		G4	S4	N	N
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*
Potential					
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Justicia cooley</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Leitneria floridana</i>	Corkwood	G3	S3	N	LT
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Phyllanthus leibmannianus</i> ssp. <i>platylepis</i>	Pinewood Dainties	G4T2	S2	N	LE
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT
Matrix Unit ID: 23021					
Likely					
<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
Mesic flatwoods		G4	S4	N	N
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*
Potential					
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Justicia cooley</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Leitneria floridana</i>	Corkwood	G3	S3	N	LT
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Neovison vison halimnetes</i>	Gulf Salt Marsh Mink	G5T3	S3	N	N
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Phyllanthus leibmannianus</i> ssp. <i>platylepis</i>	Pinewood Dainties	G4T2	S2	N	LE
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS

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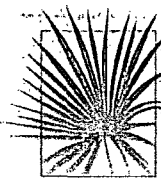
Florida Natural Areas Inventory

Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<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: 23022					
Likely					
<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
Mesic flatwoods		G4	S4	N	N
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>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Justicia cooleyi</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Leitneria floridana</i>	Corkwood	G3	S3	N	LT
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Phyllanthus leibmannianus ssp. platylepis</i>	Pinewood Dainties	G4T2	S2	N	LE
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT

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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

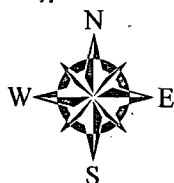
- Federal
- State
- Local
- Private
- ▨ State Aquatic Preserves

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



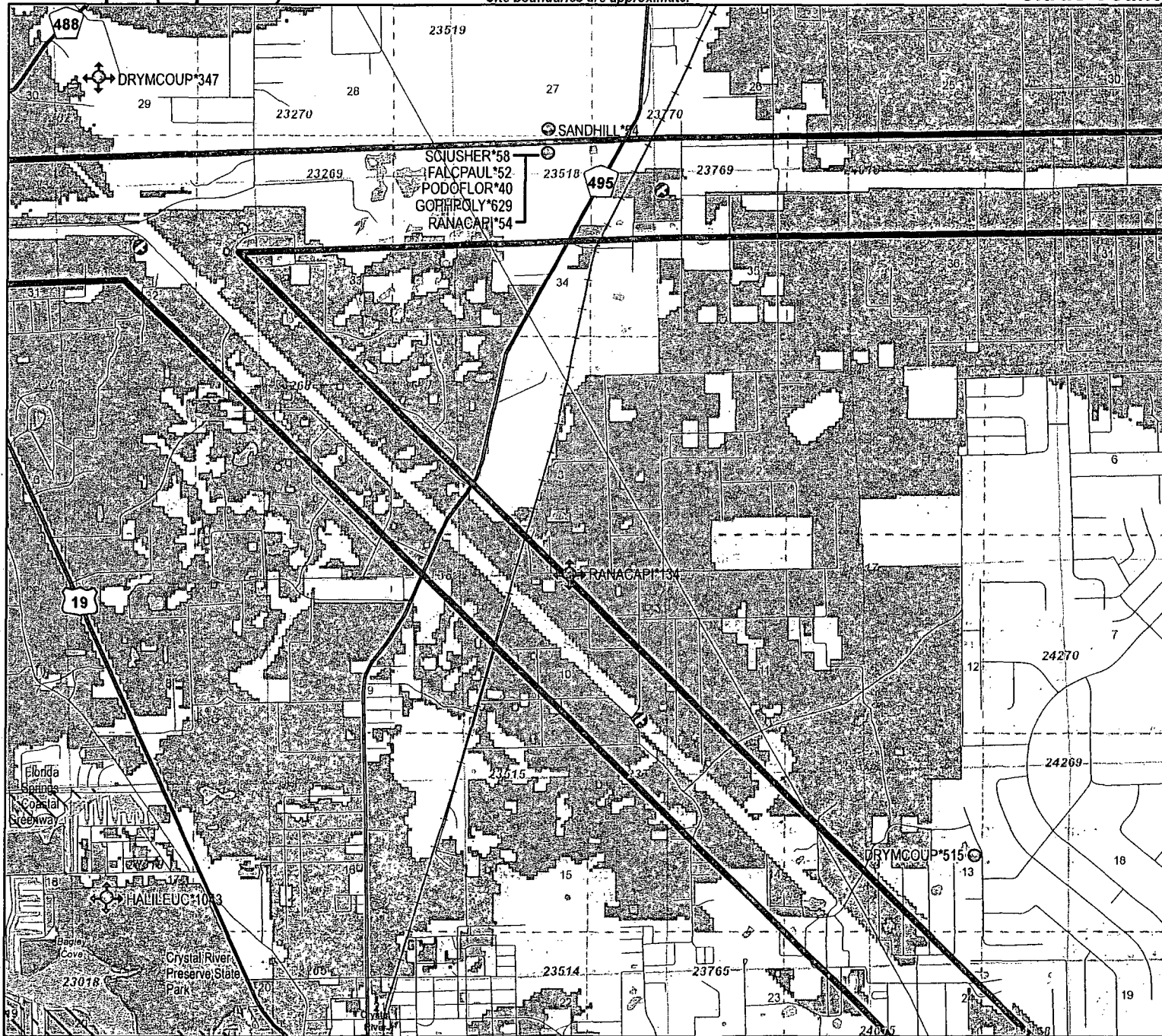
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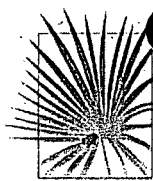
Map should not be interpreted without accompanying documents.

Lake Tarpon (Map 2 of 9)

Site boundaries are approximate.

Citrus County





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Florida Natural Areas Inventory

ELEMENT OCCURRENCES DOCUMENTED ON OR NEAR PROJECT SITE



Map Label	Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing	Observation Date	Description	EO Comments
RANACAPI*134	Rana capito	Gopher Frog	G3	S3	N	LS	1991-03-17	Upland Pine Forest; old field community	1991-03-17: D.J. STEVENSON, observed 1 adult female.
GOPHPOLY*629	Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT	1990-04	SANDHILL, LONGLEAF PINE-TURKEY OAK, WIREGRASS, ALSO SOME PASTURE.	NUMEROUS BURROWS. 300+/- INDIVIDUALS BASED ON BURROW SURVEYS TO FGFWFC STANDARDS, EST POPULATION DENSITY OF 1.3/AC. 42%, 25% AND 33% OF OBSERVED BURROWS WERE ACTIVE, INACTIVE AND OLD RESPECTIVELY.
FALCPAUL*52	Falco sparverius paulus	Southeastern American Kestrel	G5T4	S3	N	LT	1990-04	SANDHILL, LONGLEAF PINE-TURKEY OAK, WIREGRASS.	8 INDIVIDUALS AND SURVIVING FLEDGLINGS AND 2 CONFIRMED NESTS.
SANDHILL*54	Sandhill		G3	S2	N	N	1990-04	SANDHILL, LONGLEAF PINE-TURKEY OAK, WIREGRASS.	No EO data given
PODOFLOR*40	Podomys floridanus	Florida Mouse	G3	S3	N	LS	1990-04	SANDHILL, LONGLEAF PINE-TURKEY OAK, WIREGRASS.	36 (ADULTS AND JUVENILE) INDIVIDUALS CAPTURED AND RELEASED, DURING 800 TRAP NIGHT SURVEY. MAJORITY OF TRAPS WERE SET IN VICINITY OF GOPHERUS BURROWS.
RANACAPI*54	Rana capito	Gopher Frog	G3	S3	N	LS	1990-04	SANDHILL, LONGLEAF PINE-TURKEY OAK, WIREGRASS.	6 INDIVIDUALS CAPTURED IN FUNNEL TRAPS SET AT ENTRANCE OF GOPHER TORTOISE BURROWS.
SCIUSHER*58	Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS	1990-04	SANDHILL, LONGLEAF PINE-TURKEY OAK, WIREGRASS, ALSO IN PASTURE-BAHIA GRASS.	6 INDIVIDUALS OBSERVED IN SANDHILL AND PASTURE.
DRYMCOUP*347	Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT	1973-10	No general description given	MUSEUM SPECIMEN: S. CHRISTMAN, OCT 1973, UF.
HALILEUC*1043	Haliaeetus leucocephalus	Bald Eagle	G5	S3	N	LT	2003	2005-07-12: Source does not provide a description.	Nest status: Active, 2003, 2002, 2001, 2000, 1999;(U03FWC01FLUS)
DRYMCOUP*515	Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT	2006-06-06	2006-06-06: residential area in former sandhill and scrub (U06MAI01FLUS).	2006-06-06: Rutledge observed individual in yard and photographed (U06MAI01FLUS)



Florida Natural Areas Inventory

Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Matrix Unit ID: 23021					
Likely					
<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
Mesic flatwoods		G4	S4	N	N
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*
Potential					
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Justicia cooley</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Leitneria floridana</i>	Corkwood	G3	S3	N	LT
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Neovison vison halilimnetes</i>	Gulf Salt Marsh Mink	G5T3	S3	N	N
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Phyllanthus leibmannianus ssp. platylepis</i>	Pinewood Dainties	G4T2	S2	N	LE
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT

Matrix Unit ID: 23022

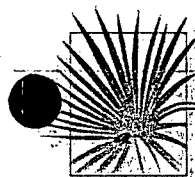
Likely

<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
Mesic flatwoods		G4	S4	N	N

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>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Justicia cooley</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Leitneria floridana</i>	Corkwood	G3	S3	N	LT
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Phyllanthus leibmannianus ssp. platylepis</i>	Pinewood Dainties	G4T2	S2	N	LE
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS

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Florida Natural Areas Inventory

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Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<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: 23267

Likely

<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
Mesic flatwoods		G4	S4	N	N

Potential

<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Justicia cooleyi</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Leitneria floridana</i>	Corkwood	G3	S3	N	LT
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>Neovison vison halilimnetes</i>	Gulf Salt Marsh Mink	G5T3	S3	N	N
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT

Matrix Unit ID: 23268

Likely

<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
Mesic flatwoods		G4	S4	N	N

Potential

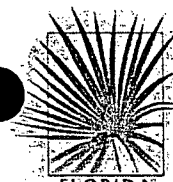
<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Justicia cooleyi</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Leitneria floridana</i>	Corkwood	G3	S3	N	LT

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<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>Neovison vison halilimnetes</i>	Gulf Salt Marsh Mink	G5T3	S3	N	N
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Phyllanthus leibmannianus</i> ssp. <i>platylepis</i>	Pinewood Dainties	G4T2	S2	N	LE
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT

Matrix Unit ID: 23269

Likely

<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
Mesic flatwoods		G4	S4	N	N
Sandhill upland lake		G3	S2	N	N

Potential

<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Justicia cooleyi</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Leitneria floridana</i>	Corkwood	G3	S3	N	LT
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulae</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Phyllanthus leibmannianus</i> ssp. <i>platylepis</i>	Pinewood Dainties	G4T2	S2	N	LE
<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>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: 23515

Likely

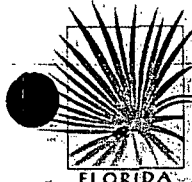
<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
Mesic flatwoods		G4	S4	N	N

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<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
Potential					
<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Justicia cooleyi</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Neovison vison halilimnetes</i>	Gulf Salt Marsh Mink	G5T3	S3	N	N
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Pteroglossaspis ecristata</i>	Giant Orchid	G2G3	S2	N	LT
<i>Pycnanthemum floridanum</i>	Florida Mountain-mint	G3	S3	N	LT
<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: 23516

Likely

<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
Mesic flatwoods		G4	S4	N	N
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS

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>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Justicia cooleyi</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Leitneria floridana</i>	Corkwood	G3	S3	N	LT
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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

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Florida Natural Areas Inventory

Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<i>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Pycnanthemum floridanum</i>	Florida Mountain-mint	G3	S3	N	LT
<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: 23517

Likely

<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
Mesic flatwoods		G4	S4	N	N
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
Sandhill		G3	S2	N	N
Sandhill upland lake		G3	S2	N	N

Potential

<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Justicia cooley</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Leitneria floridana</i>	Corkwood	G3	S3	N	LT
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Phyllanthus leibmannianus ssp. platylepis</i>	Pinewood Dainties	G4T2	S2	N	LE
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT

Matrix Unit ID: 23518

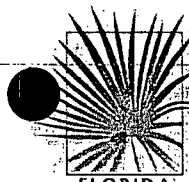
Documented

<i>Falco sparverius paulus</i>	Southeastern American Kestrel	G5T4	S3	N	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS

Likely

<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
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Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
Mesic flatwoods		G4	S4	N	N
Sandhill		G3	S2	N	N
Sandhill upland lake		G3	S2	N	N
Potential					
<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Leitneria floridana</i>	Corkwood	G3	S3	N	LT
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Phyllanthus leibmannianus</i> ssp. <i>platylepis</i>	Pinewood Dainties	G4T2	S2	N	LE
<i>Pteroglossaspis ecrinata</i>	Giant Orchid	G2G3	S2	N	LT
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT
ix Unit ID: 23765					
Likely					
<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
Mesic flatwoods		G4	S4	N	N
Sandhill upland lake		G3	S2	N	N
Potential					
<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Justicia cooleyi</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>Picoides borealis</i>	Red-cockaded Woodpecker	G3	S2	LE	LS
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Pteroglossaspis ecrinata</i>	Giant Orchid	G2G3	S2	N	LT
<i>Pycnanthemum floridanum</i>	Florida Mountain-mint	G3	S3	N	LT

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Florida Natural Areas Inventory

Biodiversity Matrix Report



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<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT

Matrix Unit ID: 23766

Likely

<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
Mesic flatwoods		G4	S4	N	N
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
Sandhill		G3	S2	N	N

Potential

<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Justicia cooleyi</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Pteroglossaspis ecristata</i>	Giant Orchid	G2G3	S2	N	LT
<i>Pycnanthemum floridanum</i>	Florida Mountain-mint	G3	S3	N	LT
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE

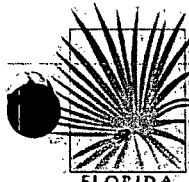
Matrix Unit ID: 23767

Likely

<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
Mesic flatwoods		G4	S4	N	N
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
Sandhill		G3	S2	N	N

Potential

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Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<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>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Leitneria floridana</i>	Corkwood	G3	S3	N	LT
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Pycnanthemum floridanum</i>	Florida Mountain-mint	G3	S3	N	LT
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE

Matrix Unit ID: 23769

Likely

<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
Mesic flatwoods		G4	S4	N	N
Sandhill		G3	S2	N	N

Potential

<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Leitneria floridana</i>	Corkwood	G3	S3	N	LT
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Phyllanthus leibmannianus ssp. platylepis</i>	Pinewood Dainties	G4T2	S2	N	LE
<i>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT

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Florida Natural Areas Inventory

Biodiversity Matrix Report



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Matrix Unit ID: 24015					
Likely					
<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
Mesic flatwoods		G4	S4	N	N
Sandhill		G3	S2	N	N
Sandhill upland lake		G3	S2	N	N
Potential					
<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Justicia cooleyi</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Picoides borealis</i>	Red-cockaded Woodpecker	G3	S2	LE	LS
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Pteroglossaspis ecristata</i>	Giant Orchid	G2G3	S2	N	LT
<i>Pycnanthemum floridanum</i>	Florida Mountain-mint	G3	S3	N	LT
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT

Matrix Unit ID: 24016

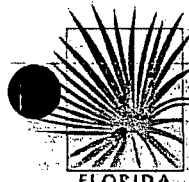
Likely

<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
Mesic flatwoods		G4	S4	N	N
Sandhill		G3	S2	N	N
Sandhill upland lake		G3	S2	N	N

Potential

<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N

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<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Neofiber alleni</i>	Round-tailed Muskrat	G3	S3	N	N
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Pycnanthemum floridanum</i>	Florida Mountain-mint	G3	S3	N	LT
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT

Matrix Unit ID: 24019

Likely

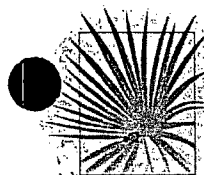
<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
Sandhill		G3	S2	N	N

Potential

<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Gopherus polyphemus</i>	Gopher Tortoise	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>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE

Matrix Unit ID: 24020

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Florida Natural Areas Inventory Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Likely					
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
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>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata 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>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE

Matrix Unit ID: 24268

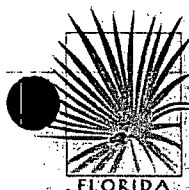
Likely

<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	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>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata 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>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<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

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Florida Natural Areas Inventory

Biodiversity Matrix Report



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<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT

Matrix Unit ID: 24272

Likely

<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
Sandhill		G3	S2	N	N
Scrub		G2	S2	N	N

Potential

<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Dicerandra cornutissima</i>	Longspurred Mint	G1	S1	LE	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE

Matrix Unit ID: 24273

Likely

<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
Sandhill		G3	S2	N	N
Scrub		G2	S2	N	N

Potential

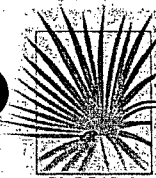
<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Dicerandra cornutissima</i>	Longspurred Mint	G1	S1	LE	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N

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Florida Natural Areas Inventory

Biodiversity Matrix Report



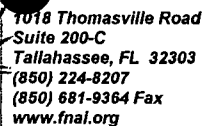
Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE

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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

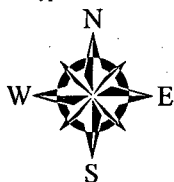
-  Federal
 State
 Local
 Private
 State Aquatic Preserves

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
- N



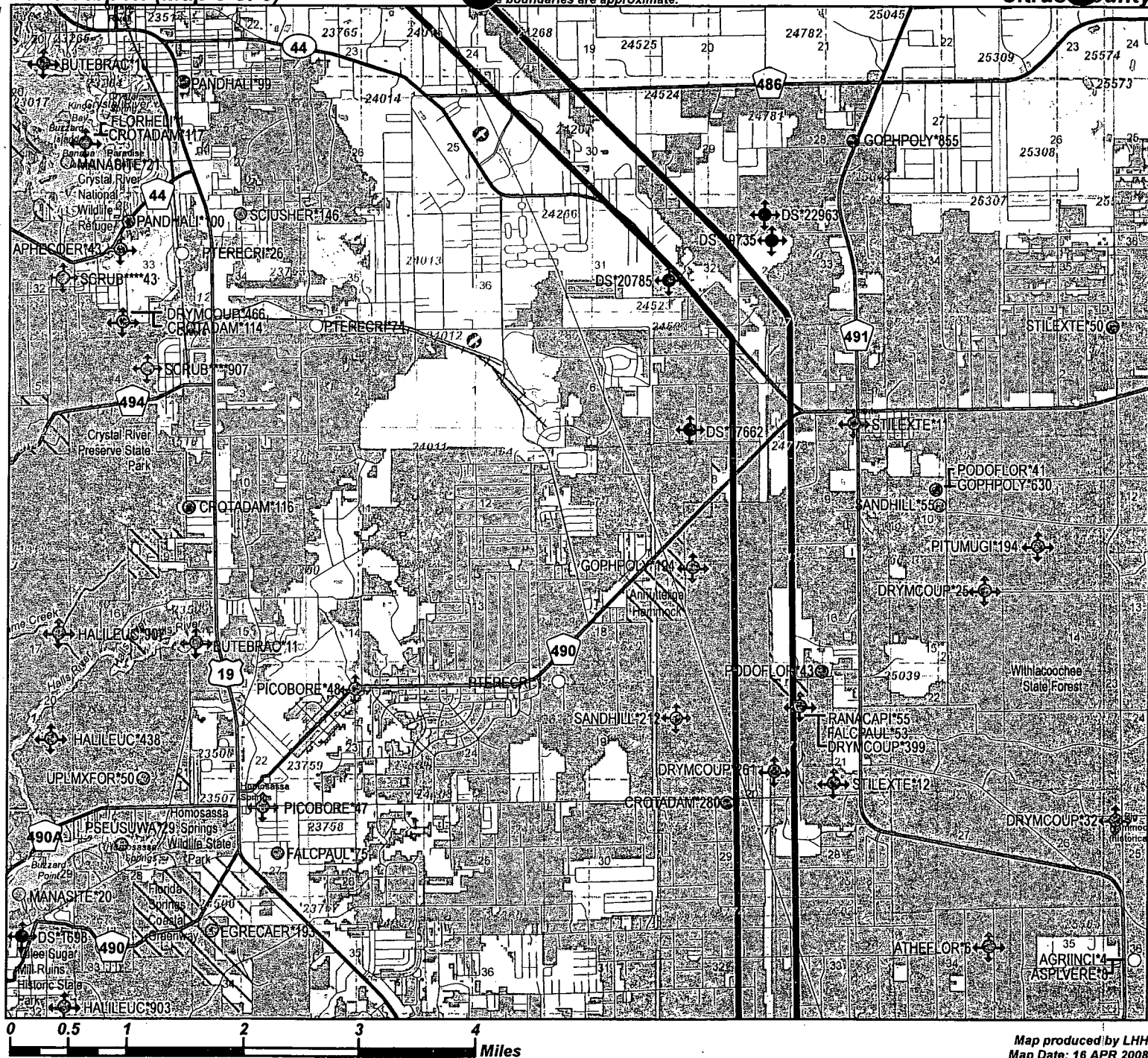
NOTE

NOTE
Map should not be interpreted without
accompanying documents.

Lake Tarpon (Map 3 of 9)

The boundaries are approximate.

Citrus County



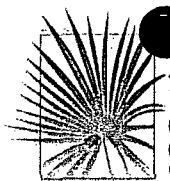
Map produced by LHH
Map Date: 16 APR 2008

Florida Natural Areas Inventory

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				
PICOBOR*48	Picoides borealis	Red-cockaded Woodpecker	G3	S2	LE	LS		ZZ	No general description given	ACTIVE COLONY.
SCRUB****907	Scrub		G2	S2	N	N		2004	No general description given	2004: Update to last obs date was based on interpretation of aerial photography (previous value was 1994-09-26) (U05FNA02FLUS). 1994-09-26: Has secondary growth (U94MEN01).
PTERECRI*1	Pteroglossaspis ecristata	Giant Orchid	G2G3	S2	N	LT		1981-09-19	SANDY SOIL OF SCRUB OAK-PINE.	FLOWERING ON 19 SEPTEMBER 1981.
STILEXTE*11	Stilosoma extenuatum	Short-tailed Snake	G3	S3	N	LT		1927-09	No general description given	UF-1574, SEPTEMBER 1927, O.F. SWED.
DS*17662	Data Sensitive Element	Data Sensitive	G3	S2	N	N		1982-pre	Data Sensitive	Data Sensitive
DS*20785	Data Sensitive Element	Data Sensitive	G4	S1S2	N	LE		1954-02-07	Data Sensitive	Data Sensitive
SCRUB****43	Scrub		G2	S2	N	N		2004	OAK SCRUB	2004: Update to last obs date was based on interpretation of aerial photography (previous value was 1981-03-26) (U05FNA02FLUS). OCCURRENCE AT SITE
DS*19735	Data Sensitive Element	Data Sensitive	G5	S3	N	LE		1982-12-28	Data Sensitive	Data Sensitive
STILEXTE*50	Stilosoma extenuatum	Short-tailed Snake	G3	S3	N	LT		1995-08-05	Sandhill/subdivision.	1995-08-05: One adult observed (U95MAI03).
GOPHPOLY*630	Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT		1990-06	SANDHILL-LONGLEAF PINE, TURKEY OAK, WIREGRASS.	45+ BURROWS. 60+/- INDIVIDUALS (ESTIMATE) ON 30 ACRE SITE BASED ON BURROW SURVEY TO FGFWFC STANDARDS. EST. POPULATION DENSITY = 2.0/AC. 45%, 12% AND 39% OF BURROWS WERE ACTIVE, INACTIVE AND OLD, RESPECTIVELY.
PODOFLOR*41	Podomys floridanus	Florida Mouse	G3	S3	N	LS		1990-06	SANDHILL-LONGLEAF PINE, TURKEY OAK, WIREGRASS.	6 INDIVIDUALS TRAPPED DURING 100 TRAP NIGHT SURVEY.
PANDHALI*100	Pandion haliaetus	Osprey	G5	S3S4	N	LS*		1997-05-20	Developed hotel site with overstory of mature pine and cabbage palms	1997-05-20: One active nest observed in large slash pine; 1996-03-19: one active nest observed (PNDMAI01).



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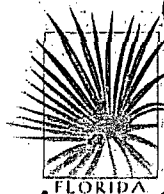
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Florida Natural Areas Inventory

ELEMENT OCCURRENCES DOCUMENTED ON OR NEAR PROJECT SITE



Map Label	Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing	Observation Date	Description	EO Comments
PSEUSUWA*29	<i>Pseudemys concinna suwanniensis</i>	Suwannee Cooter	G5T3	S3	N	LS	1991	SMALL GULF COASTAL SPRING-RUN STREAM EMANATING PRINCIPALLY FROM KARST SPRING; BOTTOM MUDDY, WATERS DARK. MAIN SPRING AND UPPERMOST RIVER FENCED OFF AS TOURIST ATTRACTIONS (WITH MANATEES). WIDTH OF UPPER RIVER 75-120 M. SOME RESIDENTIAL DEVELOPMENT ON BOT	1990-1991: GIOVANETTO FOUND SPECIES TO BE PRESENT BUT RARE IN UPPER 0.7 KM (EXCLUDING SPRING) FROM FALL 1990-FALL 1991 (TOTAL OF 9 CAPTURES REPRESENTED 3% OF ALL TURTLES CAUGHT). MUSEUM SPECIMENS: UF/FLMNH 13554/1-3 (= CRENSHAW 1074/1-3) COLLECTED 5 APR
PODOFLOR*43	<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS	1990-02	SANDHILL (LONGLEAF PINE, TURKEY OAK, WIREGRASS) WITH PLANTED SAND PINE COMPONENT.	1 MOUSE CAPTURED AND RELOCATED.
SCIUSHER*146	<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS	1998-04-18	PINE FLATWOODS WITH DOME SWAMPS	ONE INDIVIDUAL OBSERVED CROSSING ROAD
SANDHILL*55	Sandhill		G3	S2	N	N	2004	SANDHILL-LONGLEAF PINE, TURKEY OAK, WIREGRASS.	2004: Update to last obs date was based on interpretation of aerial photography (previous value was 1990-06) (U05FNA02FLUS).
GOPHPOLY*855	<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT	1993-09-19	AREA OF SANDHILL AND PASTURE.	JUVENILE OBSERVED CROSSING HIGHWAY.
EGRECAER*193	<i>Egretta caerulea</i>	Little Blue Heron	G5	S4	N	LS	1997-01-31	Freshwater spring-fed pond; edge consists of cattails and other low growing emergents; bottom consists of open sand with algal patches.	1997-01-31: one adult observed foraging; 1996-11-22: one adult observed foraging; 1996-10-04: one adult male observed foraging; 1995-09-28: one adult observed foraging (PNDMAI01).
FALCPAUL*75	<i>Falco sparverius paulus</i>	Southeastern American Kestrel	G5T4	S3	N	LT	1995-06-12	Pine flatwoods-wet meadows; overstory of slash pine, longleaf pine, bald cypress and snags; understory of palmetto, blackberry, cinnamon fern, wax myrtle, willow, shiny blackberry.	1995-06-12: two adults and one subadult observed (PNDMAI01).
MANASITE*21	Manatee aggregation site		GNR	SNR	N	N	1988	SPRING-RUN STREAM.	UP TO 150+ MANATEES USE THIS AREA IN THE WINTER.



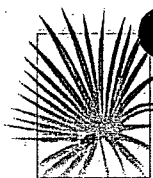
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ELEMENT OCCURRENCES DOCUMENTED ON OR NEAR PROJECT SITE



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PANDHALI*99	Pandion haliaetus	Osprey	G5	S3S4	N	LS*	1996-03-28	Urban.	1996-03-28: Two adults observed nesting in nesting dish on top of utility pole (PNDBAR06); 1996-02-12: one active nest observed on top of utility pole; 1995-02-21: one active nest observed on top of utility pole (PNDMAI01).
DS*22963	Data Sensitive Element	Data Sensitive	G3	S2	N	N	1982-12-28	Data Sensitive	Data Sensitive
UPLMXFOR*50	Upland mixed forest		G4	S4	N	N	1997-04-09	Bordered on the south by Highway 490A, to the east by housing in Homosassa Springs. North and west borders are swamps leading to the Hall's River. Homosassa Springs State Park is south of EO and is a continuation of this natural community but also has ma	1997-04-09: Very diverse assemblage of canopy trees. This EO probably contains species common to upland mixed forests and hydric hammocks, but the way the communities intergrade it is impossible to distinguish between the two. There are
MANASITE*20	Manatee aggregation site		GNR	SNR	N	N	1988	SPRING-RUN STREAM.	UP TO 51 MANATEES UTILIZE THIS SITE IN WINTER; MOST ARE SIGHTED NEAR THE HEADWATERS.
DS*1698	Data Sensitive Element	Data Sensitive	G2	S2	N	LE	1972-03-19	Data Sensitive	Data Sensitive
STILEXTE*12	Stilosoma extenuatum	Short-tailed Snake	G3	S3	N	LT	1981	No general description given	UF-52700, 1981, GORDON SPRETT.
PTERECRI*26	Pteroglossaspis ecristata	Giant Orchid	G2G3	S2	N	LT	1983-09-01	N/A	1983-09-01: Specimen taken [fl] (Schmid).
CROTADAM*117	Crotalus adamanteus	Eastern Diamondback Rattlesnake	G4	S3	N	N	1994-10-15	Snakes have been observed in general vicinity in a variety of habitats from salt marsh to scrub.	1994-10-15: One DOR observed (U94MEN02). 1992-10-06: One DOR observed (U92MEN01). 1989-05-16: One DOR observed (U89MEN01). 1987-09-00: One snake observed while removing debris pile (U87MEN01).
GOPHPOLY*194	Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT	1990-02	SANDHILL, LONGLEAF PINE, TURKEY OAK, WIREGRASS. ALSO PASTURE (U90SHA13FL).	LARGE AREA WHERE RUFUS S. PULLED TORTOISES IN PAST. 45 +/- BURROWS, 80 +/- POP. ESTIMATE, BASED ON 0.5/AC. DENSITY
APHECOER*43	Aphelocoma coerulescens	Florida Scrub-jay	G2	S2	LT	LT	1981-03-26	OAK SCRUB	1981-03-26: 2 SCRUB JAYS
RANACAPI*55	Rana capito	Gopher Frog	G3	S3	N	LS	1990-02	1990-02: sandhill-longleaf pine, turkey oak, wiregrass. Small marsh on site (U90SHA09FLUS).	1990-02: 20 individuals trapped at Gopherus burrows (U90STA09FLUS).



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Florida Natural Areas Inventory

ELEMENT OCCURRENCES DOCUMENTED ON OR NEAR PROJECT SITE



Map Label	Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing	Observation Date	Description	EO Comments
BUTEBRAC*10	Buteo brachyurus	Short-tailed Hawk	G4G5	S1	N	N	1992-05-20	Hydric Hammock; Xeric Hammock (live oak/sand live oak).	1992-05-20: B.A. Millsap, GFC, observed 1 adult male and 1 adult female displaying courtship behavior. Male light morph, female dark morph.
FALCPAUL*53	Falco sparverius paulus	Southeastern American Kestrel	G5T4	S3	N	LT	1990-02	SANDHILL-LONGLEAF PINE, TURKEY OAK, WIREGRASS. SMALL MARSH ON SITE.	8 INDIVIDUALS (4 ADULTS AND 4 JUVENILES).
DRYMCUP*32	Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT	1978-07-16	No general description given	JOHN WHITE (GFC) OBSERVED 74-IN INDIGO SNAKE 1978-07-16 (MOLER INTERVIEW).
PICOBORE*47	Picoides borealis	Red-cockaded Woodpecker	G3	S2	LE	LS	1986	PINE FLATWOODS	ACTIVE COLONY.
BUTEBRAC*11	Buteo brachyurus	Short-tailed Hawk	G4G5	S1	N	N	1992-05-20	Hydric Hammock; commercial development.	1992-05-20: B.A. Millsap, GFC, observed adult Light morph. Foraging mainly to west of 98-19-55.
DRYMCUP*399	Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT	1990-02	SANDHILL-LONGLEAF PINE, TURKEY OAK, WIREGRASS. SMALL MARSH ON SITE.	1, 4.5 FT. INDIVIDUAL.
ATHEFLOR*6	Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	N	LS	1999	1999: Yard of occupied lot (trailer) (U99BOW01FLUS); 1975: IMPROVED PASTURE	1999: Two territories with 4 adults and 3 young observed (U99BOW01FLUS). 1975: FAMILY OBSERVED IN PASTURE BY P. MOLER.
DRYMCUP*25	Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT	1977-09-12	No general description given	JOHN WHITE (GFC) OBSERVED 4-FT INDIGO SNAKE 1977-09-12 (MOLER INTERVIEW). 1991-03-06: D.J. STEVENSON OBSERVED 1 ADULT ON CRYSTAL RIVER WATERSHED.
FLORHELI*1	Floridobia helicogyra	Crystal Siltsnail	G1	S1	N	N	1968-pre	LAGOON CA 0.25 MI LONG X 200 YDS WIDE. DRAINS FROM S INTO CRYSTAL R.(CHANNEL CA 50' WIDE). SEVERAL LG SUBMERGED SPRINGS ON LAGOON PERIPHERY. FINE SAND BOTTOM, COVERED W/ VALLISNERIA.	F. THOMPSON: SNAILS SCARCE ON ALL 3 OCCASIONS SURVEYED(B68THO01). SNAILS PRIMARILY ON ELODEA, SOME ON VAL- LISNERIA, ONLY NEAR LARGE BOIL AT HEAD OF CHANNEL. NOTFOUND 1979-1984 DURING ROUTINE COLLECTIONS AT TYPE LOCALITY. POP. DEPRESSED APPARENTLY DUE T
CROTADAM*114	Crotalus adamanteus	Eastern Diamondback Rattlesnake	G4	S3	N	N	1995-09-28	Scrub with secondary growth.	1995-09-28: One AOR (ca. 2 ft.) (U95MAI04). 1994-09-26: One DOR (U94MEN01).

Florida Natural Areas Inventory

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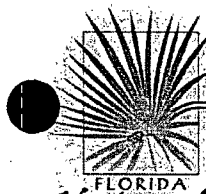


Map Label	Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing	Observation Date	Description	EO Comments
DRYMCUP*466	Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT	1991-07-03	Scrubby Flatwoods	1991-07-03: D.J. STEVENSON observed 1 adult male.
PITUMUGI*194	Pituophis melanoleucus mugitus	Florida Pine Snake	G4T3	S3	N	LS	1991-03-06	Hydric Hammock; old field.	1991-03-06: D.J. STEVENSON observed 1 adult.
DRYMCUP*261	Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT	1970	No general description given	INDIGOS REGULARLY OBSERVED THROUGHOUT CAMP BY PAUL ANDERSON POST 1970 (MOLER INTERVIEW OF P. ANDERSON 1982-06-30).
AGRIINCI*4	Agrimonia incisa	Incised Groove-bur	G3	S2	N	LE	1983-01-21	BANK OF ANCIENT ROAD, MARGIN OF OPEN LIVE OAK - RED CEDAR ASSOCIATION. SAND, MOIST.	1983-01-21: VIGOR FEEBLE; 11-50 INDIVIDUALS IN 1-5 SQ YDS AREA. UNKNOWN WHY PLANTS OCCUR IN ONLY SMALL COLONY WHEN SUITABLE HABITAT AVAILABLE (F83LEO18FLUS).
CROTADAM*116	Crotalus adamanteus	Eastern Diamondback Rattlesnake	G4	S3	N	N	1997-08-26	Upland community - longleaf pine, turkey oak, live oak, saw palmetto.	1997-08-26: One adult, ca. 5 feet long, observed in mouth of abandoned tortoise burrow (PNDMAI01FLUS). 1993-09-00: Individual injured by plow as fire lane was being cut; appeared to survive (U93MEN01).
CROTADAM*280	Crotalus adamanteus	Eastern Diamondback Rattlesnake	G4	S3	N	N	1998-10-09	Open pasture to scrub oak.	1998-10-09: One live snake, ca. 48 inches long and uninjured, observed by Henry Pann on roadside (U99MAI01).
ASPLVERE*8	Asplenium verecundum	Modest Spleenwort	G1	S1	N	LE	2001-12-26	2001-12-26: NONE PROVIDED (PNDNEL01FLUS).	2001-12-26: NONE PROVIDED (PNDNEL01FLUS).
PTERECRI*74	Pteroglossaspis ecrinata	Giant Orchid	G2G3	S2	N	LT	2000-08-24	2000-08-24: Plants occur in xeric habitat with dry sandy soils under partially open canopy of Pinus palustris, Quercus geminata, and Quercus laevis. The shrub and herb layers are relatively diverse with Serenoa repens, Quercus incana, Smilax auriculata,	2000-08-24: Small population of 3 plants (2 flowering, 1 fruiting) with feeble vigor in an xeric area of 584 square yards (U03SCH03FLUS).
SANDHILL*212	Sandhill		G3	S2	N	N	2004	Area is surrounded by pasture and development. Withlacoochee State Forest is within 1/2 mile of SE edge of site.	2004: Update to last obs date was based on interpretation of aerial photography (previous value was 1995-12-11) (U05FNA02FLUS). There is a canopy of Pinus palustris (20% coverage). Sub-canopy coverage of Pinus palustris is 10%. The midstory is dominated

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HALILEUC*438	<i>Haliaeetus leucocephalus</i>	Bald Eagle	G5	S3	N	LT	1997	No general description given	Nest status 1999-2003: Inactive - 2000, 1999; Unknown/not assessed - 2003, 2002, 2001; Status 1995-98: Active - 1997; Inactive - 1998, 1996, 1995; (U03FWC01FLUS). Previous data (note different format) NEST: 1995-93: GONE; 1992: NO DATA; 1991: ACTIVITY UN
HALILEUC*907	<i>Haliaeetus leucocephalus</i>	Bald Eagle	G5	S3	N	LT	2003	No general description given	Nest status 1995-2003: Continuously active. (U03FWC01FLUS). Previous data (note different format) Nest; 1995: Produced 1 young; 1994: Produced 1 young; 1993: Active, produced 0 young.
HALILEUC*903	<i>Haliaeetus leucocephalus</i>	Bald Eagle	G5	S3	N	LT	2002	No general description given	Nest status 1999-2003: Active - 2002, 2001, 2000, 1999; Inactive - 2003; Status 1995-98: Continuously active. (U03FWC01FLUS). Previous data (note different format) Nest; 1995: Produced 1 young; 1994: Active, produced 0 young; 1993: Active, productivity un



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Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Matrix Unit ID: 23765					
Likely					
<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
Mesic flatwoods		G4	S4	N	N
Sandhill upland lake		G3	S2	N	N
Potential					
<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Justicia cooley</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Picoides borealis</i>	Red-cockaded Woodpecker	G3	S2	LE	LS
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Pteroglossaspis ecristata</i>	Giant Orchid	G2G3	S2	N	LT
<i>Pycnanthemum floridanum</i>	Florida Mountain-mint	G3	S3	N	LT
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT

Matrix Unit ID: 24015

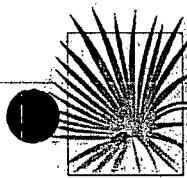
Likely

<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
Mesic flatwoods		G4	S4	N	N
Sandhill		G3	S2	N	N
Sandhill upland lake		G3	S2	N	N

Potential

<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N

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Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Justicia cooleyi</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Picoides borealis</i>	Red-cockaded Woodpecker	G3	S2	LE	LS
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Pteroglossaspis ecristata</i>	Giant Orchid	G2G3	S2	N	LT
<i>Pycnanthemum floridanum</i>	Florida Mountain-mint	G3	S3	N	LT
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT

Matrix Unit ID: 24267

Likely

<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
Mesic flatwoods		G4	S4	N	N

Potential

<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>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>Picoides borealis</i>	Red-cockaded Woodpecker	G3	S2	LE	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>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT

Matrix Unit ID: 24268

Likely

<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
Mesic flatwoods		G4	S4	N	N

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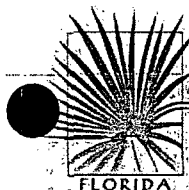
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Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
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>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Neofiber alleni</i>	Round-tailed Muskrat	G3	S3	N	N
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<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>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT
Matrix Unit ID: 24523					
Likely					
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
Mesic flatwoods		G4	S4	N	N
Sandhill		G3	S2	N	N
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT
Potential					
<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	N	LE
<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 atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N

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Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<i>Picoides borealis</i>	Red-cockaded Woodpecker	G3	S2	LE	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>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Spiranthes polyantha</i>	Green Ladies'-tresses	G4	S1S2	N	LE

Matrix Unit ID: 24524

Likely

<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
Mesic flatwoods		G4	S4	N	N
Sandhill		G3	S2	N	N
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT

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>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata 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 atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Picoides borealis</i>	Red-cockaded Woodpecker	G3	S2	LE	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>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Spiranthes polyantha</i>	Green Ladies'-tresses	G4	S1S2	N	LE

Matrix Unit ID: 24773

Likely

<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT

Potential

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Florida Natural Areas Inventory

Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>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>Picoides borealis</i>	Red-cockaded Woodpecker	G3	S2	LE	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>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE

Matrix Unit ID: 24774

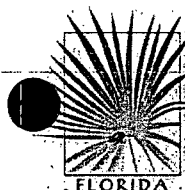
Likely

<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT

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>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Neofiber alleni</i>	Round-tailed Muskrat	G3	S3	N	N
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Picoides borealis</i>	Red-cockaded Woodpecker	G3	S2	LE	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>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE

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Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Matrix Unit ID: 24775					
Documented					
<i>Crotalus adamanteus</i>	Eastern Diamondback Rattlesnake	G4	S3	N	N
Likely					
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Falco sparverius paulus</i>	Southeastern American Kestrel	G5T4	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>Rana capito</i>	Gopher Frog	G3	S3	N	LS
Sandhill		G3	S2	N	N
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT
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>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cucularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Gopherus polyphemus</i>	Gopher Tortoise	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>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Picoides borealis</i>	Red-cockaded Woodpecker	G3	S2	LE	LS
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Pteroglossaspis ecristata</i>	Giant Orchid	G2G3	S2	N	LT
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
Matrix Unit ID: 24776					
Likely					
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Falco sparverius paulus</i>	Southeastern American Kestrel	G5T4	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
Sandhill		G3	S2	N	N
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT
Potential					
<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N

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Florida Natural Areas Inventory

Biodiversity Matrix Report



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<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium verecundum</i>	Modest Spleenwort	G1	S1	N	LE
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Justicia cooley</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Picoides borealis</i>	Red-cockaded Woodpecker	G3	S2	LE	LS
<i>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Pteroglossaspis ecristata</i>	Giant Orchid	G2G3	S2	N	LT
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Triphora craigheadii</i>	Craighead's Nodding-caps	G1	S1	N	LE
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*

Matrix Unit ID: 24777

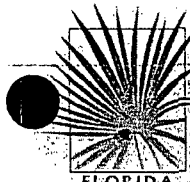
Likely

<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Falco sparverius paulus</i>	Southeastern American Kestrel	G5T4	S3	N	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hoghose Snake	G2	S2	N	N
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
Sandhill		G3	S2	N	N
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT

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>Asplenium verecundum</i>	Modest Spleenwort	G1	S1	N	LE
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Justicia cooley</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	N	LE

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<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>Picoides borealis</i>	Red-cockaded Woodpecker	G3	S2	LE	LS
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Pteroglossaspis ecristata</i>	Giant Orchid	G2G3	S2	N	LT
<i>Pycnanthemum floridanum</i>	Florida Mountain-mint	G3	S3	N	LT
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
Terrestrial cave		G3	S2	N	N
<i>Triphora craigheadii</i>	Craighead's Nodding-caps	G1	S1	N	LE
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*

Matrix Unit ID: 24778

Likely

<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
Sandhill		G3	S2	N	N
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT

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>Asplenium verecundum</i>	Modest Spleenwort	G1	S1	N	LE
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Justicia cooleyi</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	N	LE
<i>Myotis austroriparius</i>	Southeastern Bat	G3G4	S3	N	N
<i>Neofiber alleni</i>	Round-tailed Muskrat	G3	S3	N	N
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Picoides borealis</i>	Red-cockaded Woodpecker	G3	S2	LE	LS
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Pycnanthemum floridanum</i>	Florida Mountain-mint	G3	S3	N	LT
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
Terrestrial cave		G3	S2	N	N
<i>Triphora craigheadii</i>	Craighead's Nodding-caps	G1	S1	N	LE

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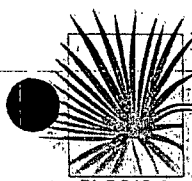
Florida Natural Areas Inventory

Biodiversity Matrix Report



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Likely					
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
Mesic flatwoods		G4	S4	N	N
Sandhill		G3	S2	N	N
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT
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>Asplenium verecundum</i>	Modest Spleenwort	G1	S1	N	LE
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Justicia cooley</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	N	LE
<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>Picoides borealis</i>	Red-cockaded Woodpecker	G3	S2	LE	LS
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Pteroglossaspis ecristata</i>	Giant Orchid	G2G3	S2	N	LT
<i>Pycnanthemum floridanum</i>	Florida Mountain-mint	G3	S3	N	LT
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Spiranthes polyantha</i>	Green Ladies'-tresses	G4	S1S2	N	LE
Terrestrial cave		G3	S2	N	N
<i>Triphora craigheadii</i>	Craighead's Nodding-caps	G1	S1	N	LE
Matrix Unit ID: 24780					
Documented-Historic					
<i>Cheilanthes microphylla</i>	Southern Lip Fern	G5	S3	N	LE
Terrestrial cave		G3	S2	N	N
Likely					
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
Mesic flatwoods		G4	S4	N	N
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT
Potential					

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



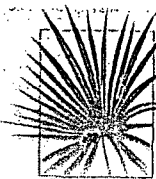
Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium verecundum</i>	Modest Spleenwort	G1	S1	N	LE
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Justicia cooleyi</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	N	LE
<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 atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Picoides borealis</i>	Red-cockaded Woodpecker	G3	S2	LE	LS
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Pteroglossaspis ecristata</i>	Giant Orchid	G2G3	S2	N	LT
<i>Pycnanthemum floridanum</i>	Florida Mountain-mint	G3	S3	N	LT
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Spiranthes polyantha</i>	Green Ladies'-tresses	G4	S1S2	N	LE

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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

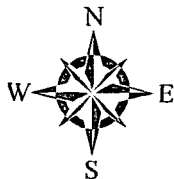
- Federal
- State
- Local
- Private
- ▨ State Aquatic Preserves

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

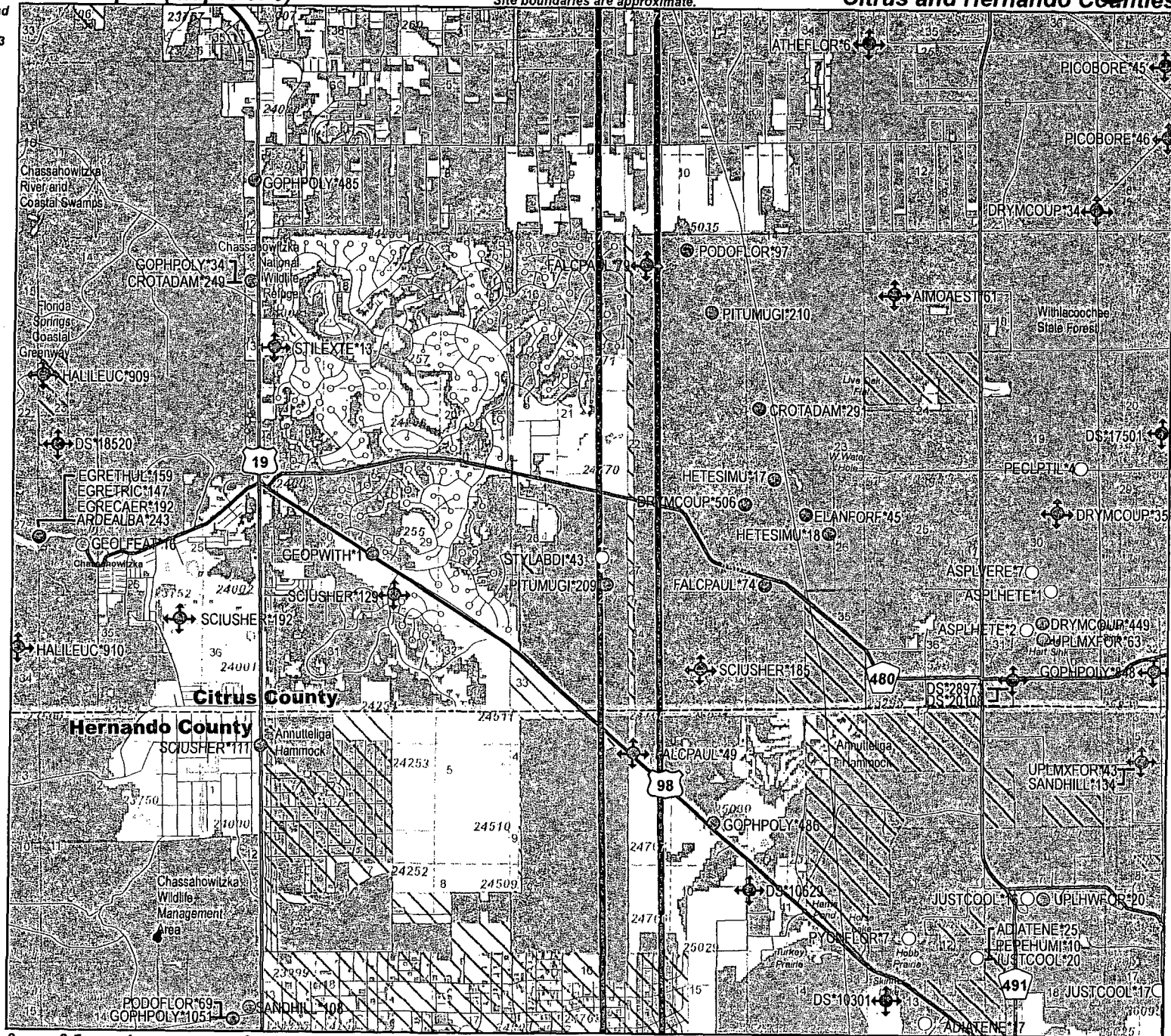


NOTE
Map should not be interpreted without accompanying documents.

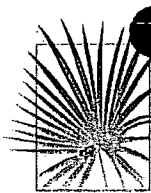
Lake Tarpon (Map 4 of 9)

Site boundaries are approximate.

Citrus and Hernando Counties



Map produced by LHH
Map Date: 16 APR 2008



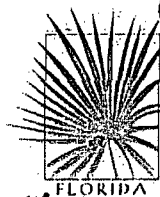
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Map Label	Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing	Observation Date	Description	EO Comments
SCIUSHER*129	Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS	1989-05-04	Sandhill/Upland Pine Forest; pine plantation	1989-05-04: D.E. Runde, GFC, observed 1 adult.
DS*18520	Data Sensitive Element	Data Sensitive	G2	S2	N	N	1980->	Data Sensitive	Data Sensitive
JUSTCOOL*17	Justicia cooleyi	Cooley's Water-willow	G2	S2	LE	LE	1992-08-29	Wooded pasture with mixed broadleaves. Winged elm occurs along fence line.	20-30 flowering and fruiting plants.
JUSTCOOL*16	Justicia cooleyi	Cooley's Water-willow	G2	S2	LE	LE	1992-08-29	Oaks, sweetgum, and hickory; winged elm in understory; low grasses and herbs including several mints, hawkweed, beggar-ticks and spleenwort. Rich, rocky soils.	200-300 flowering and fruiting individuals.
UPLHWFOR*20	Upland hardwood forest		G5	S3	N	N	2004	ROCKY HARDWOOD HAMMOCK W/ SANDY LOAM/CLAY OVER LIMESTONE. 0-1" LITTER. MANY LOW BOULDERS. ONE SINKHOLE-LIKE DEPRESSION. SURROUNDINGS WOODS, PASTURE, GROVES.	2004: Update to last obs date was based on interpretation of aerial photography (previous value was 1982-12-28) (U05FNA02FLUS). LIVE OAK, SWEETGUM, HACKBERRY, BASKE T OAK>HOPHORNBEAM>MAGNOLIA, BEAUTYBERRY, YAUPON>PTERIS CRETICA VAR. ALBOLINEATA (ONLY SITE-EX
SANDHILL*108	Sandhill		G3	S2	N	N	1997-03-12	open longleaf pine sandhill community	Canopy of widely scattered longleaf pines (Pinus palustris) with understory of wiregrass (Aristida stricta) and pineywoods dropseed (Sporobolus junceus). Area had been burned 2 weeks before. Other herbs and subshrubs identifiable were Psoralea canescens,
GEOLFEAT*16	Geological feature		GNR	SNR	N	N	1979	SERIES OF LARGE SPRINGS JOINED BY BRANCHING. SPRING RUNS.	ONE OF THE LARGER SPRING GROUPS IN FLA. THE SPRING IS ACTUALLY CLUSTERS OF PIPE SPRINGS LOCATED AT THE EASTERN EDGE OF GULF COASTAL SWAMPS. HUGH CYPRESS ADORN THE BANKS AND THE SURROUNDING AREA IS IN ACCEPTABLE CONDITION.



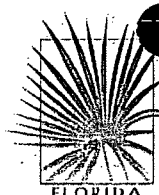
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GOPHPOLY*485	Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT	1989-07-15	TURKEY OAK/PALMETTO/SAND PINE. ROAD SIDE SWALE.	1 ADULT MALE APPROX. 25-30 FEET FROM BURROW ATTEMPTING TO CROSS US 19/98; 1 JUVENILE AT ROAD EDGE (50 FEET TO S OF ADULT) FEEDING ON EXTREMELY DRIED OUT ARMADILLO REMAINS.
GOPHPOLY*486	Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT	1997-07-26	Large area of sandhill and pasture rapidly being developed residentially.	1997-07-26: One adult observed (PNDMAI01FLUS); 1990-08-17: 1 adult male observed leaving vegetable farm (PNDOST01FLUS); 1990-06-24: 1 adult female skeleton found; 1990-04-29: 1 female observed, poachers observed with tortoises; 1989-07-15: 1 DOR individu.
PITUMUGI*210	Pituophis melanoleucus mugitus	Florida Pine Snake	G4T3	S3	N	LS	2002-09-20	2002-09-20: Large sandhill (6,000 acres) with slight sinkhole depression in sandhill; longleaf pine, turkey oak, wiregrass (U02WER04FLUS). 2002-Spring: Large area of sandhill with moderate to heavy sand live oak encroachment (F02HIP01FLUS).	2002-09-20: One adult captured in "herp array" (U02WER04FLUS). 2002-spring: one individual observed entering a gopher tortoise burrow (F02HIP01FLUS).
FALCPAUL*49	Falco sparverius paulus	Southeastern American Kestrel	G5T4	S3	N	LT	1986-07-16	POWERLINE RIGHT OF WAY, SURROUNDING HABITAT CONSISTS OF SAND PINE PLANTATION (APPROX. 15-25' HT.) ON FORMER SANDHILL SITE. POWERLINE RIGHT-OF-WAY APPROXIMATELY 400' IN WIDTH WITH LOW UNDERSTORY OF GRASSES AND FORBES.	OBSERVED ON SITE ON 2 OCCASIONS PERCHING AND ACTIVELY FEEDING.
PICOBORE*46	Picoides borealis	Red-cockaded Woodpecker	G3	S2	LE	LS	ZZ	No general description given	ACTIVE COLONY
DS*10301	Data Sensitive Element	Data Sensitive	G5	S1	N	LE	1982-12-31	Data Sensitive	Data Sensitive
DRYMCoup*35	Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT	1977-05-30	No general description given	JOHN WHITE (GFC) OBSERVED 5-FT INDIGO SNAKE 1977-05-30(MOLER INTERVIEW).
ADIATENE*17	Adiantum tenerum	Brittle Maidenhair Fern	G5	S3	N	LE	1982-12-31	1982-12-31: Rocky banks of wet-weather stream through hammock (S82LEOFSFLUS).	1982-12-31: Specimen taken (S82LEOFSFLUS).



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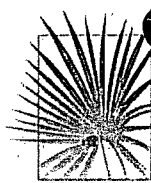
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ATHEFLOR*6	Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	N	LS	1999	1999: Yard of occupied lot (trailer) (U99BOW01FLUS); 1975: IMPROVED PASTURE	1999: Two territories with 4 adults and 3 young observed (U99BOW01FLUS). 1975: FAMILY OBSERVED IN PASTURE BY P. MOLER.
STILEXTE*13	Stilosoma extenuatum	Short-tailed Snake	G3	S3	N	LT	1979-02	No general description given	UNCATALOGUED FSM SPECIMEN, FEBRUARY OR MARCH, 1979, F.CAMAMELLA.
PYCNFLOR*7	Pycnanthemum floridanum	Florida Mountain-mint	G3	S3	N	LT	1959-09-13	HAMMOCK.	1959-09-13: FLOWERING/FRUITING.
PICOBORE*45	Picoides borealis	Red-cockaded Woodpecker	G3	S2	LE	LS	ZZ	No general description given	ACTIVE COLONY.
DS*17501	Data Sensitive Element	Data Sensitive	G4	S1S2	N	LE	1967-03-13	Data Sensitive	Data Sensitive
FALCPAUL*79	Falco sparverius paulus	Southeastern American Kestrel	G5T4	S3	N	LT	1988-07	Utility right of way	1988-07: Noel Warner (Warner? -NeSmith) reports 2 observations of single birds along a stretch of powerline from lat 284500N and 285130N, ca. 5 miles. (D. E. Runde GFC record).
DS*20108	Data Sensitive Element	Data Sensitive	GNA	S1	N	N	1987-04-11	Data Sensitive	Data Sensitive
GOPHPOLY*848	Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT	1993-08-02	RECENTLY BURNED SANDHILL; LONGLEAF PINE, TURKEY OAK AND WIREGRASS.	ONE INDIVIDUAL (PLASTRON WAS APPROXIMATELY 20 CM. LONG) AT BURROW ENTRANCE, 2 ACTIVE BURROWS AND 3 INACTIVE BURROWS.
DRYMCOU*34	Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT	1977-09	No general description given	JOHN WHITE (GFC) OBSERVED ONE INDIGO SNAKE 1977-09 (MOLER INTERVIEW).
GOPHPOLY*1051	Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT	1997-03-13	Small area of sandhill (majority of former sandhill east of US 19 has been developed). Canopy of scattered longleaf pine. Subcanopy and midstory of turkey oak (30-50% coverage) and a few live oak. Herb cover including wiregrass resprouting from two week	1997-03-13: Few burrows observed during general walk-through; no specific survey conducted (PNDHIP01FLUS).

Florida Natural Areas Inventory

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			Rank	Rank	Status	Listing			
ARDEALBA*243	Ardea alba	Great Egret	G5	S4	N	N	1997-07-17	Spring fed shallow creek with sand bottom and eel grass beds surrounded by hydric hammock (red cedar, water oak, black gum, sweet gum, cabbage palm), shallows support leatherfern and spider lily.	1997-07-17: one adult observed foraging; 1997-06-18: one adult observed foraging; 1996-07-13: one bird observed foraging (PNDMAI01).
CROTADAM*249	Crotalus adamanteus	Eastern Diamondback Rattlesnake	G4	S3	N	N	1990	Ruderal area around old hdqtrs.	1990: One snake observed (U95KLE01).
FALCPAUL*74	Falco sparverius paulus	Southeastern American Kestrel	G5T4	S3	N	LT	1997-07-26	improved pasture	1997-07-26: two adults observed foraging (PNDMAI01).
PODOFLOR*69	Podomys floridanus	Florida Mouse	G3	S3	N	LS	1997-03-13	Small area of sandhill (majority of former sandhill east of Highway 19 X 13 grid; 1997-03-12: Captured 10 new has been developed). Canopy of scattered longleaf pine. Subcanopy and midstory of turkey oak (30-50% coverage) and a few live oak. Herb cover including wiregrass resprouting from two	1997-03-11: Captured 19 individuals in 12 individuals and 10 recaptures; 1997-03-13: Captured 9 new individuals and 14 recaptures; total number of trapped individuals is 38 in 468 trapnights (3 X 12 X 13). No estima
EGRETHUL*159	Egretta thula	Snowy Egret	G5	S3	N	LS	1997-07-26	Spring fed shallow creek with sand bottom and eel grass beds surrounded by hydric hammock (red cedar, water oak, black gum, sweet gum, cabbage palm); shallows support leatherfern and spider lily.	1997-07-26: One adult observed foraging; 1997-07-17: one adult observed foraging (PNDMAI01).
EGRECAER*192	Egretta caerulea	Little Blue Heron	G5	S4	N	LS	1997-07-26	Spring fed shallow creek with sand bottom and eel grass beds surrounded by hydric hammock (red cedar, water oak, black gum, sweet gum, cabbage palm), shallows support leatherfern and spider lily.	1997-07-28: one immature observed foraging; 1997-07-17: one adult observed foraging; 1997-02-28: one adult and one immature observed foraging; 1996-07-13: one adult and one immature observed foraging (PNDMAI01).
SCIUSHER*111	Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS	1997-03-09	Sandhill (longleaf pine, turkey oak, saw palmetto, wiregrass, etc.) along both sides of highway	1997-03-09: one adult DOR (PNDMAI01)



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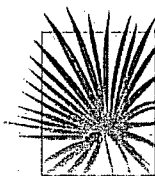
Map Label	Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing	Observation Date	Description	EO Comments
EGRETRIC*147	Egretta tricolor	Tricolored Heron	G5	S4	N	LS	1997-07-17	Emergent mat of hydrilla and other vegetation intermixed with water lettuce, water hyacinths, duckweed and other floating aquatic spp.; both shores characterized by dense hydric hammock.	1997-07-17: One adult observed foraging; 1997-06-18: one adult observed foraging; 1997-02-28: one adult observed foraging; 1996-07-13: one adult observed foraging (PNDMAI01)...
DRYMCOUP*449	Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT	1993-09-05	Ecotone between longleaf pine sandhill and the beginning of the slope into a sinkhole.	1993-09-05, 1993-07-20: Snake(s) observed at same locality on both dates (U93BLA05).
GOPHPOLY*34	Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT	1978-11-21	TWO DISJUNCT PARCELS OF LAND 0.8 KM APART; MAINLY LONGLEAF PINE-OAK UPLANDS, FAIRLY OPEN CANOPY, GRADING INTO PINE FLATWOODS TOWARDS N AND S ENDS OF MAIN (S) TRACT.	LOGAN (21 NOV 1978) COUNTED 30 ACTIVE BURROWS (PLUS 6 INACTIVE & 7 ABANDONED) & EST. TOTAL POP OF 85, OR 6: 3/HA.; EVIDENCE OF SUCCESSFUL RECRUITMENT; U79LOG01 GIVES BURROW WIDTHS.
DS*10629	Data Sensitive Element	Data Sensitive	G5	S1	N	LE	1947-02-03	Data Sensitive	Data Sensitive
ASPLVERE*7	Asplenium verecundum	Modest Spleenwort	G1	S1	N	LE	2004-01-13	2004-01-13: The fern is growing on limestone around the entrance of Dames and Peace Cave. The caves are in an Upland Mixed Forest area that is a small component of a much larger area of sandhill (U04WER01FLUS). 2001-12-25: CAVE ENTRANCE (PNDNEL01FLUS)	2004-01-13: 60+ fruiting plants observed. The ferns grow mostly on vertical limestone and are avoided by foot traffic (U04WER01FLUS). 2001-12-25: More than 50 plants in Dames Cave entrance nearest the road; unspecified number of plants also seen at near
PECLPTIL*4	Pectuma ptilon	Swamp Plume Polypody	G5?	S2	N	LE	2001-12-26	2001-12-26: SMALL LIMESTONE GROTTO (PNDNEL01FLUS).	2001-12-26: SPECIMEN COLLECTED (PNDNEL01FLUS).
ASPLHETE*1	Asplenium heteroresiliens	Wagner's Spleenwort	GNA	S1	N	N	2001-12-26	2001-12-26: ENTRANCE TO DAMES CAVE (PNDNEL01FLUS).	2001-12-26: none provided (PNDNEL01FLUS).
ASPLHETE*2	Asplenium heteroresiliens	Wagner's Spleenwort	GNA	S1	N	N	2002-01-02	2002-01-02: GRADUALLY SLOPING SIDES OF SINKHOLE WITH UPLAND MIXED FOREST (PNDNEL01FLUS).	2002-01-02: NONE PROVIDED (PNDNEL01FLUS).
DS*28973	Data Sensitive Element	Data Sensitive	G2	S2	N	N	2002-01-02	Data Sensitive	Data Sensitive

Florida Natural Areas Inventory

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UPLMXFOR*63	Upland mixed forest		G4	S4	N	N	2004-03-	2002-05-18: steep slopes surrounding a sinkhole with many outcroppings of Suwannee limestone having rare ferns (<i>Asplenium heterochroum</i>) (PNDJOH01FLUS).	2004_03: large trees of <i>Celtis laevigata</i> in "bowl" of sink; sweetgum dominates base of sink (PNDJOH01FLUS); 2002-05-18: open canopy of 50-60-ft trees including <i>Quercus hemisphaerica</i> , <i>Q. virginiana</i> , <i>Magnolia grandiflora</i> , <i>Q. michauxii</i> , <i>Liquidambar styracif</i>
SANDHILL*134	Sandhill		G3	S2	N	N	2004	No general description given	2004: Update to last obs date was based on interpretation of aerial photography (previous value was 1993-12-10) (U05FNA02FLUS). 1993-12-10: Sandhill/mixed hardwood ecotone (U93BLA03). 1993-11-08: Sandhill: very open area with sparse herbaceous cover and
UPLMXFOR*43	Upland mixed forest		G4	S4	N	N	2004	Mixed hardwoods on calcareous substrate (exposed rock) surrounded by sandhill.	2004: Update to last obs date was based on interpretation of aerial photography (previous value was 1993-12-10) (U05FNA02FLUS). 1993-12-10: Hardwood community is unique in that it exists on exposed rock: <i>Quercus virginiana</i> , <i>Juniperus silicicola</i> , <i>Liquidam</i>
HALILEUC*909	<i>Haliaeetus leucocephalus</i>	Bald Eagle	G5	S3	N	LT	2001	No general description given	Nest status 1999-2003: Active - 2001, 2000; Inactive - 2003, 2002, 1999; Status 1995-98: Active - 1997, 1996, 1995; Inactive - 1998; (U03FWC01FLUS). Previous data (note different format) Nest; 1995: Produced 1 young; 1994: Produced 2 young; 1993: Produce
HALILEUC*910	<i>Haliaeetus leucocephalus</i>	Bald Eagle	G5	S3	N	LT	2003	No general description given	Nest status 1999-2003: Active - 2003, 2002, 2001, 2000; Inactive - 1999; Status 1995-98: Continuously active. (U03FWC01FLUS). Previous data (note different format) Nest; 1995: Produced 2 young; 1994: Inactive; 1993: Active, produced 0 young.
HETESIMU*17	<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N	2002-05-22	2002-05-22: Sandhill, longleaf pine, wiregrass, turkey oak (U02WER02FLUS).	2002-05-22: 1 adult caught at a drift fence array (U02WER02FLUS).
HETESIMU*18	<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N	2002-06-20	2002-06-20: Sandhill, longleaf pine, turkey oak, wiregrass; slightly degraded from fire suppression (U02WER03FLUS).	2002-06-20: 1 adult captured in drift fence array (U02WER03FLUS).

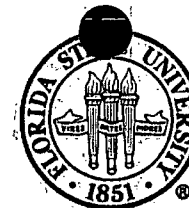


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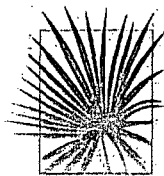
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DRYMCUP*506	<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT	2002-01-15	2002-01-15: Sandhill, slightly degraded due to lack of burning; longleaf pine, turkey oak, wiregrass (U02MOR01FLUS).	2002-01-15: One adult seen fleeing prescribed burn (U02MOR01FLUS).
JUSTCOOL*20	<i>Justicia cooley</i>	Cooley's Water-willow	G2	S2	LE	LE	2005-06-17	2005-06-17: Dry sinkhole (U05WER01FLUS).	2005-06-17: 5+ individuals present (U05WER01FLUS).
PEPEHUMI*10	<i>Peperomia humilis</i>	Terrestrial Peperomia	G5	S2	N	LE	2005-08-11	2005-08-11: Upland mixed forest; Rocky outcroppings; swamp chestnut oak, Florida maple (U05WER01FLUS).	2005-08-11: 100+ individuals at each point, plants epiphytic on limestone (U05WER01FLUS).
ADIATENE*25	<i>Adiantum tenerum</i>	Brittle Maidenhair Fern	G5	S3	N	LE	2005-03-08	2005-03-08: Growing on rocky ledge of dry sinkhole (U05WER01FLUS).	2005-03-08: 25+ fruiting plants observed (U05WER01FLUS).
SCIUSHER*192	<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS	2006-01-07	2004: Open canopied Longleaf and slash pine flatwoods with shrub and understory of saw palmetto, wax myrtle, <i>Lyonia fruticosa</i> , <i>Ilex cassine</i> , <i>Asimina</i> sp., <i>Vaccinium myrsinites</i> . Open areas with <i>Aristida</i> , <i>Licania</i> , and <i>Andropogon</i> (U04COR01FLUS).	2006-01-07: Two individuals observed; one entered a nest in an oak tree (U06COR01FLUS). 2004: At least one individual observed on 11-14 and 11-16 (U04COR01FLUS)
PITUMUGI*209	<i>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS	2002-SPRNG	L2002-SPRNG: Large area of sandhill with moderate to heavy sand live oak encroachment (F02HIP01FLUS).	2002-SPRNG: One individual observed in gopher tortoise burrow with burrow camera (F02HIP01FLUS).
STYLABDI*43	<i>Stylisma abdita</i>	Scrub Stylisma	G3	S3	N	LE	2002-05-11	2002-05-11: The Sugarmill Woods is mostly sandhill with small scrub components. The area was historically winter burned for cattle grazing (U02WER01FLUS).	2002-05-11: no population size provided but plants were flowering (U02WER01FLUS).
PODOFLOR*97	<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS	2002-03	2002-SPRNG: Large area of sandhill with moderate to heavy sand live oak encroachment (F02HIP01FLUS).	2002-03: One adult captured in Herp array (F02HIP01FLUS).
SCIUSHER*185	<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS	2002-03	2002-SPRNG: Large area of sandhill with moderate to heavy sand live oak encroachment (F02HIP01FLUS).	2002-03: Seven sightings at different locations over a span of three months (F02HIP01FLUS).



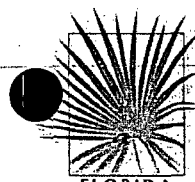
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Florida Natural Areas Inventory

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			
CROTADAM*291	Crotalus adamanteus	Eastern Diamondback Rattlesnake	G4	S3	N	N	2002-03	2002-SPRNG: Large area of sandhill with moderate to heavy sand live oak encroachment (F02HIP01FLUS).	2002-03: individual observed at the mouth of a tortoise burrow (F02HIP01FLUS).
ELANFORF*45	Elanoides forficatus	Swallow-tailed Kite	G5	S2	N	N	2002-03	2002-SPRNG: Large area of sandhill with moderate to heavy sand live oak encroachment (F02HIP01FLUS).	2002-03: One individual observed foraging over site (F02HIP01FLUS).
AIMOAEST*61	Aimophila aestivalis	Bachman's Sparrow	G3	S3	N	N	2002-SPRNG	2002-SPRNG: Large area of sandhill with moderate to heavy sand live oak encroachment (F02HIP01FLUS).	2002-spring: Ten individuals detected at eight of 53 point count locations distributed throughout the site (F02HIP01FLUS).
GEOPWITH*1	Geopsammodius withlacoochee	Withlacoochee Tiny Sand-loving Scarab	G1	S1	N	N	2002-11-24	2002-11-24: No description given other than "sand on roadside" (A06SKE01FLUS).	2002-11-24: A total of 318 specimens were collected from sand near the road (A06SKE01FLUS).



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Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
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Matrix Unit ID: 24765

Likely

<i>Falco sparverius paulus</i>	Southeastern American Kestrel	G5T4	S3	N	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Sandhill		G3	S2	N	N

Potential

<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>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>Picoides borealis</i>	Red-cockaded Woodpecker	G3	S2	LE	LS
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Pteroglossaspis ecrinata</i>	Giant Orchid	G2G3	S2	N	LT
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*

Matrix Unit ID: 24766

Likely

<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Sandhill		G3	S2	N	N
Scrub		G2	S2	N	N

Potential

<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>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

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Florida Natural Areas Inventory

Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<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>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>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*

Matrix Unit ID: 24767

Likely

<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
<i>Picoides borealis</i>	Red-cockaded Woodpecker	G3	S2	LE	LS
Sandhill		G3	S2	N	N
Scrub		G2	S2	N	N

Potential

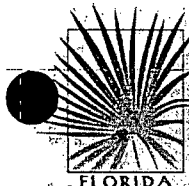
<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Falco sparverius paulus</i>	Southeastern American Kestrel	G5T4	S3	N	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>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>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*

Matrix Unit ID: 24768

Likely

<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
<i>Picoides borealis</i>	Red-cockaded Woodpecker	G3	S2	LE	LS
Sandhill		G3	S2	N	N
Scrub		G2	S2	N	N
<i>Stylisma abdita</i>	Scrub Stylisma	G3	S3	N	LE

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Potential					
<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Falco sparverius paulus</i>	Southeastern American Kestrel	G5T4	S3	N	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>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>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*
Matrix Unit ID: 24769					
Documented					
<i>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Stylisma abdita</i>	Scrub Stylisma	G3	S3	N	LE
Likely					
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
<i>Picoides borealis</i>	Red-cockaded Woodpecker	G3	S2	LE	LS
Sandhill		G3	S2	N	N
Scrub		G2	S2	N	N
Potential					
<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata 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

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Florida Natural Areas Inventory

Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<i>Neofiber alleni</i>	Round-tailed Muskrat	G3	S3	N	N
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<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>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>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*

Matrix Unit ID: 24770

Documented

<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
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Likely

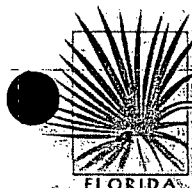
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
<i>Picoides borealis</i>	Red-cockaded Woodpecker	G3	S2	LE	LS
Sandhill		G3	S2	N	N
Scrub		G2	S2	N	N
<i>Stylisma abdita</i>	Scrub Stylisma	G3	S3	N	LE

Potential

<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>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>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>Triphora craigheadii</i>	Craighead's Nodding-caps	G1	S1	N	LE
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*

Matrix Unit ID: 24771

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Documented					
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
Likely					
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Falco sparverius paulus</i>	Southeastern American Kestrel	G5T4	S3	N	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
<i>Picoides borealis</i>	Red-cockaded Woodpecker	G3	S2	LE	LS
Sandhill		G3	S2	N	N
Potential					
<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata 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>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Pteroglossaspis ecristata</i>	Giant Orchid	G2G3	S2	N	LT
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*

Matrix Unit ID: 24772

Likely

<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Falco sparverius paulus</i>	Southeastern American Kestrel	G5T4	S3	N	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
<i>Picoides borealis</i>	Red-cockaded Woodpecker	G3	S2	LE	LS
Sandhill		G3	S2	N	N

Potential

<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N

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Florida Natural Areas Inventory

Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata 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>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<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>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>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*

Matrix Unit ID: 24773

Likely

<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT

Potential

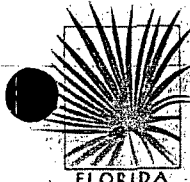
<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>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>Picoides borealis</i>	Red-cockaded Woodpecker	G3	S2	LE	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>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE

Matrix Unit ID: 24774

Likely

<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT

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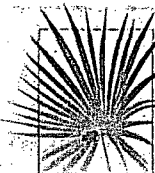
Florida Natural Areas Inventory

Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
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>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata 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>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Picoides borealis</i>	Red-cockaded Woodpecker	G3	S2	LE	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>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE

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FLORIDA Natural Areas INVENTORY

Element Occurrences

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

Conservation Lands

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

Land Acquisition Projects

- ▨ Florida Forever
- ▨ Board of Trustees Projects

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

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

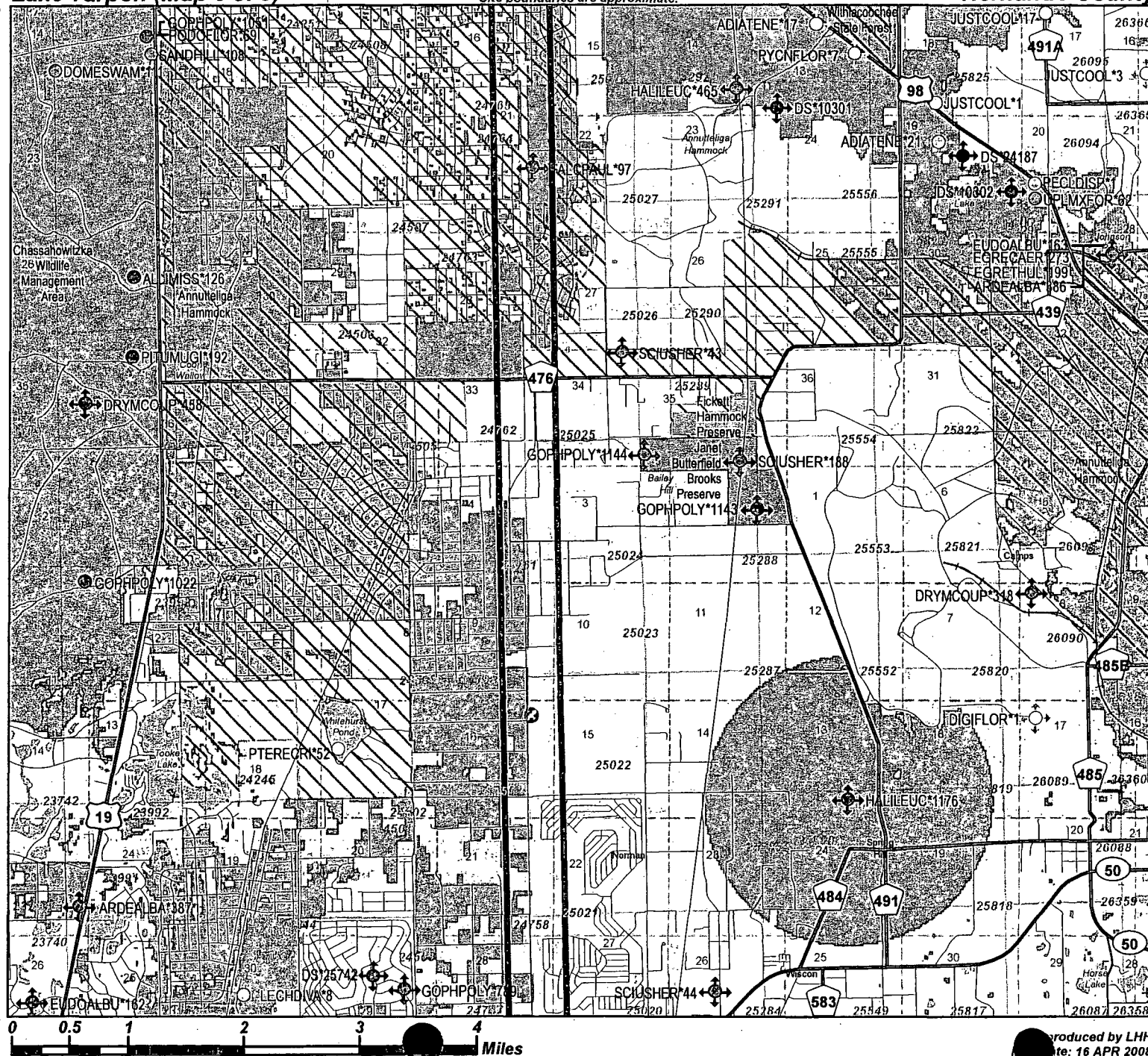


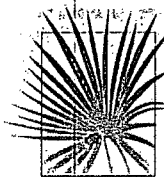
NOTE
Map should be interpreted without
accompanied documents.

Lake Tarpon (Map 5 of 9)

Site boundaries are approximate.

Hernando County





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Florida Natural Areas Inventory

ELEMENT OCCURRENCES DOCUMENTED ON OR NEAR PROJECT SITE



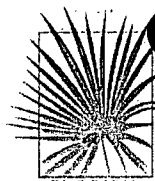
Map Label	Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing	Observation Date	Description	EO Comments
EGRECAER*273	<i>Egretta caerulea</i>	Little Blue Heron	G5	S4	N	LS	1989-05-08	Lake	1989/05/08: J.A. Hovis, GFC, observation. Colony very spread out. 2 subcolonies in 2 ponds combined here. Surveyed from helicopter. Site not visited by plane in 1989. "Total" = G (includes GREG, CAEG, LBHE, ANHI). 1988/05/11: D.E. Runde, GFC, observation
ARDEALBA*386	<i>Ardea alba</i>	Great Egret	G5	S4	N	N	1987-06-16	Pond	1989/05/08: J.A. Hovis, GFC; Colony very spread out. Surveyed from helicopter. Site not visited by plane in 1989. Total = G (includes GREG, CAEG, LBHE, ANHI). 1987/06/16: D.E. Runde, GFC; Count of GREG nests (with large young) from photo, CAEG count of i
ADIATENE*21	<i>Adiantum tenerum</i>	Brittle Maidenhair Fern	G5	S3	N	LE	1980-08-16	West side of old phosphate test pit, in hammock (S80BECSSFFLUS).	1980-08-16: Ca. 4 plants; specimen collected [spore] (S80BECSSFFLUS).
SCIUSHER*44	<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS	1989	SANDHILL	7 SQUIRRELS SITED BETWEEN OCT 1988 AND JULY 1989.
EUDOALBU*163	<i>Eudocimus albus</i>	White Ibis	G5	S4	N	LS	1988-05-11	Lake	1988/05/11: D.E. Runde, GFC. Viewed from old RR right-of-way to SE of colony and Rt.476. No abundance estimates. Primarily CAEG colony and winter roost site. Sink hole draining this part of lake. SNEG, GBHE, LBHE, GRHE, WHIB, ANHI also present.
ARDEALBA*387	<i>Ardea alba</i>	Great Egret	G5	S4	N	N	1987-06-16	Swamp	1987/06/16: D.E. Runde, GFC; Total = 40 (includes GREG, CAEG). 1989: Site vacant - colony may have shifted to Gear Hope Pond Colony (located in 1989).
EGRETHUL*199	<i>Egretta thula</i>	Snowy Egret	G5	S3	N	LS	1988-05-11	Lake	1988/05/11: D.E. Runde, GFC. Viewed from old RR right-of-way to SE of colony and Rt.476. No abundance estimates. Primarily CAEG colony and winter roost site. Sink hole draining this part of lake. SNEG, GBHE, LBHE, GRHE, WHIB, ANHI also present. 2 subcolo
LECHDIVA*8	<i>Lechea divaricata</i>	Pine Pinweed	G2	S2	N	LE	1959-10-16	WHITE SAND PINUS CLAUSSA-OAK SCRUB, OPEN GRASS SLOPE BORDERING PRAIRIE.	COMMON; ? FLOWERING AND FRUITING; JAMES D. RAY, JR. SPECIMEN #9538, COLLECTED 16 OCT 1959. FLAS #79582.

Florida Natural Areas Inventory

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			
GOPHPOLY*789	Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT	1987-07-22	OPEN SAND PINE SCRUB, WHITE SAND WITH LICHEN BARRENS.	AT LEAST 1 BURROW OBSERVED.
DS*25742	Data Sensitive Element	Data Sensitive	G5	S1	N	LE	1935-04-14	Data Sensitive	Data Sensitive
JUSTCOOL*1	Justicia cooleyi	Cooley's Water-willow	G2	S2	LE	LE	1998	2000-04-05: HARDWOOD FOREST OF LIQUIDAMBAR STYRACIFLUA, QUERCUS LAURIFOLIA, Q. NIGRA, CARYA GLABRA, VARIOUS GRASSES, LONICERA SEMPERVIRENS, GELSEMIUM SEMPERVIRENS, RHUS RADICANS, CYPERUS SPP. (F00MOR04FLUS). 1998: SITE STILL HEALTHY (PNDMEC01FLUS). 1992:	2000-04-05: PLANTS EXTIRPATED; A 20 FOOT WIDE SWATH CLEARED, PROBABLY IN THE LAST YEAR, BETWEEN THE SHOULDER MOWING AREA AND PRIVATE CHAIN LINK FENCE (F00MOR04FLUS). 1998: SITE STILL HEALTHY (PNDMEC01FLUS). 1992-09-18: 1000+ plants observed flowering; si
JUSTCOOL*17	Justicia cooleyi	Cooley's Water-willow	G2	S2	LE	LE	1992-08-29	Wooded pasture with mixed broadleaves. Winged elm occurs along fence line.	20-30 flowering and fruiting plants.
DS*24187	Data Sensitive Element	Data Sensitive	G5	S1	N	LE	1982-12-31	Data Sensitive	Data Sensitive
SANDHILL*108	Sandhill		G3	S2	N	N	1997-03-12	open longleaf pine sandhill community	Canopy of widely scattered longleaf pines (Pinus palustris) with understory of wiregrass (Aristida stricta) and pineywoods dropseed (Sporobolus junceus). Area had been burned 2 weeks before. Other herbs and subshrubs identifiable were Psoralea canescens,
DOMESWAM*111	Dome swamp		G4	S4	N	N	2004	Small, open-canopied pond cypress dome swamp.	2004: Update to last obs date was based on interpretation of aerial photography (previous value was 1997-03-12) (U05FNA02FLUS). Open canopy of pond cypress (Taxodium ascendens) with shrubs of St John's wort (Hypericum fasciculatum) and dahoon holly (Ilex
DRYMCoup*318	Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT	1936-12-06	No general description given	MUSEUM SPECIMEN: A. LAESSLE, 6 DEC 1936 (UF 910).
DIGIFLOR*1	Digitaria floridana	Florida Crabgrass	G1	S1	N	N	1960-09-30	IN HEAPS OF POT SOIL AND ALONG PATHS, MOSTLY IN SAWDUST ON THE GROUNDS OF NINA'S NURSERY.	1960-09-30: FRUITING, ABUNDANT, SOME PLANTS WITH LEAFY STOLONS.



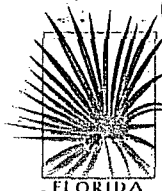
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JUSTCOOL*3	Justicia cooleyi	Cooley's Water-willow	G2	S2	LE	LE	1959-02-10	Wet woods; deciduous woods. F92CHI02FLUS observed from road that most of the area is now abandoned quarries and active mines, and this species may no longer exist here.	Flowers purple; common to abundant.
EUDOALBU*162	Eudocimus albus	White Ibis	G5	S4	N	LS	1989-05-08	Lake	1989/05/08: J.A. Hovis, GFC. Lots of white flowers; photos will be misleading. ANHI have downy chicks. Surveyed from helicopter. Site not visited by plane in 1989. "Total" = D (includes CAEG, WHIB, ANHI).
DS*10301	Data Sensitive Element	Data Sensitive	G5	S1	N	LE	1982-12-31	Data Sensitive	Data Sensitive
ADIATENE*17	Adiantum tenerum	Brittle Maidenhair Fern	G5	S3	N	LE	1982-12-31	1982-12-31: Rocky banks of wet-weather stream through hammock (S82LEOFSFLUS).	1982-12-31: Specimen taken (S82LEOFSFLUS).
PYCNFLOR*7	Pycnanthemum floridanum	Florida Mountain-mint	G3	S3	N	LT	1959-09-13	HAMMOCK.	1959-09-13: FLOWERING/FRUITING.
FALCPAUL*97	Falco sparverius paulus	Southeastern American Kestrel	G5T4	S3	N	LT	1988-07	Utility right of way	1988-07: Noel Warner (Warner? -NeSmith) reports 2 observations of single birds along a stretch of powerline from lat 283830N and 283930N, ca. 1 mile. (D. E. Runde GFC record).
SCIUSHER*43	Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS	1989	SANDHILL	2 SQUIRRELS OBSERVED BETWEEN OCT 1988 AND JULY 1989.
GOPHPOLY*1022	Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT	1995-10-18	Sandhill.	One specimen caught.
GOPHPOLY*1051	Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT	1997-03-13	Small area of sandhill (majority of former sandhill east of US 19 has been developed). Canopy of scattered longleaf pine. Subcanopy and midstory of turkey oak (30-50% coverage) and a few live oak. Herb cover including wiregrass resprouting from two week	1997-03-13: Few burrows observed during general walk-through; no specific survey conducted (PNDHIP01FLUS).



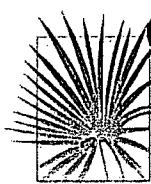
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PODOFLOR*69	Podomys floridanus	Florida Mouse	G3	S3	N	LS	1997-03-13	Small area of sandhill (majority of former sandhill east of Highway 19 X 13 grid; 1997-03-12: Captured 10 new individuals and 10 recaptures; scattered longleaf pine. Subcanopy of midstory of turkey oak (30-50% coverage) and a few live oak. Herb cover including wiregrass resprouting from two	1997-03-11: Captured 19 individuals in 12 individuals and 10 recaptures; 1997-03-13: Captured 9 new individuals and 14 recaptures; total number of trapped individuals is 38 in 468 trapnights (3 X 12 X 13). No estima
PITUMUGI*192	Pituophis melanoleucus mugitus	Florida Pine Snake	G4T3	S3	N	LS	1996-06-20	Scrubby flatwoods.	Specimen (UF 109410) found in trap June 20, 1996.
ALLIMISS*126	Alligator mississippiensis	American Alligator	G5	S4	SAT	LS	1995-07-27	Trap was set in a depression marsh.	4 specimens caught in a bucket trap.
PTERECRI*52	Pteroglossaspis ecristata	Giant Orchid	G2G3	S2	N	LT	2002-08-19	2002-08-19: Broad transitional "edge" of large sandhill lake; downslope from sandhills. No canopy. Herbaceous ground cover of Amphicarpon, Axonopus, Rubus, Sorghastrum spp., Andropogon spp. Lots of vehicle use apparent along lake edge (P	2002-08-19: 5 plants seen (in flower) (PNDJAR05FLUS).
PECLDISP*1	Pecluma dispersa	Widespread Polypody	G5	S2	N	LE	2002-05-18	2002-05-18: upland mixed forest of Quercus hemisphaerica, Acer barbatum, Quercus michauxii, and Carya glabra with Ostrya virginica and Carpinus caroliniana in the subcanopy (PNDJOH01FLUS).	2002-05-18: several fronds growing on limestone rocks along a small drainage (now dry) through an upland mixed forest (PNDJOH01FLUS; PNDNEL01FLUS).
DS*10302	Data Sensitive Element	Data Sensitive	G5	S1	N	LE	2002-05-18	Data Sensitive	Data Sensitive
UPLMXFOR*62	Upland mixed forest		G4	S4	N	N	2002-05-18	2002-05-18: small area of undisturbed hardwood forest on slopes above a small drainage (now dry). Ferns (Blechnum occidentale, Pecluma plumula) present. Limestone outcrops along creek (PNDJOH01FLUS).	2002-05-18: 50-ft canopy of broadleaved evergreen and deciduous species including Acer barbatum, Liquidambar styraciflua, Quercus hemisphaerica, Carya glabra and Quercus michauxii. Understory dominated by Ostrya virginiana, Carpinus caroliniana, and Magn



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DRYMC0UP*458	Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT	1995-96	The area supports a mosaic of upland and wetland habitats, including scrub, sandhill, xeric hammock, upland mixed forest, mesic flatwoods, depression marsh, wet prairie, and dome swamp. Most forested tracts are second growth. See A00ENG01FLUS for brief	1995-1996: Enge and Wood caught four indigo snakes in funnel traps set along drift fences, and also observed two additional specimens, at multiple localities. They conclude that the Wildlife Management Area supports a good-sized population (A00ENG01FLUS)
GOPHPOLY*1143	Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT	1992	1992: sandhill with longleaf pine, turkey oak, wiregrass; bordered by hardwood (xeric?) hammock on north, developed or degraded lands offsite on other sides (U92TNC02FLUS).	Need to obtain recent updates from land manager. 1992: preserve management plan (U92TNC02FLUS) notes recent estimate of 16-25 tortoises per ha; however, possible that this estimate referred to burrow numbers rather than tortoises.
GOPHPOLY*1144	Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT	1992	1992: sandhill with longleaf pine, turkey oak, wiregrass; bordered by hardwood (xeric?) hammock and flatwoods on east, developed or degraded lands offsite on other sides (U92TNC02FLUS).	Need to obtain recent updates from land manager. 1992: preserve management plan (U92TNC02FLUS) notes recent estimate of 16-25 tortoises per ha; however, possible that this estimate referred to burrow numbers rather than tortoises.
SCIUSHER*188	Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS	1992	1992: principal habitat is sandhill with longleaf pine, turkey oak, wiregrass; this occurs chiefly in the western and southeastern portions of the preserve; other habitats on site that may be used include hardwood (xeric?) hammock and flatwoods (U92TNC0	Need to obtain recent updates from land manager. 1992: preserve management plan notes recent estimate of 19-63 squirrels per square km within the sandhill habitat (U92TNC02FLUS).
HALILEUC*1176	Haliaeetus leucocephalus	Bald Eagle	G5	S3	N	LT	2003	2005-07-12: Source does not provide a description.	Nest status: Active, 2003, 2002, 2001, 2000, 1999; (U03FWC01FLUS)
HALILEUC*465	Haliaeetus leucocephalus	Bald Eagle	G5	S3	N	LT	2003	No general description given	Nest status 1995-2003: Continuously active. (U03FWC01FLUS). Previous data (note different format) NEST: 1984-1988 ACTIVE; FLEDGED YOUNG 1984-1985, UNKNOWN 1986.

Florida Natural Areas Inventory

Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Matrix Unit ID: 24757					
Documented					
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
Likely					
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
<i>Lechea divaricata</i>	Pine Pinweed	G2	S2	N	LE
Sandhill		G3	S2	N	N
Potential					
<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Blechnum occidentale</i>	Sinkhole Fern	G5	S1	N	LE
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	N	LE
<i>Mustela frenata peninsulae</i>	Florida Long-tailed Weasel	G5T3	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>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Schizachyrium niveum</i>	Scrub Bluestem	G1	S1	N	LE
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS

Matrix Unit ID: 24758

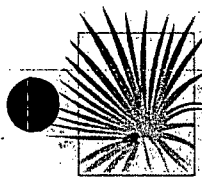
Likely

<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
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Potential

<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulae</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE

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

Matrix Unit ID: 24759

Likely

<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
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Potential

<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>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>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS

Matrix Unit ID: 24760

Likely

<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
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Potential

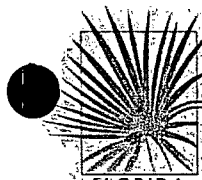
<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Neofiber alleni</i>	Round-tailed Muskrat	G3	S3	N	N

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<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT

Matrix Unit ID: 24761

Likely

<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
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Potential

<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>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>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>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT

Matrix Unit ID: 24762

Likely

Mesic flatwoods		G4	S4	N	N
Sandhill		G3	S2	N	N
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS

Potential

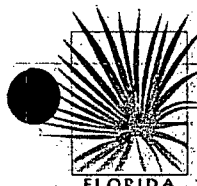
<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT

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<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>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>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT
<i>Triphora craigheadii</i>	Craighead's Nodding-caps	G1	S1	N	LE
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*

Matrix Unit ID: 24763

Likely

<i>Falco sparverius paulus</i>	Southeastern American Kestrel	G5T4	S3	N	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Sandhill		G3	S2	N	N
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS

Potential

<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Justicia cooleyi</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>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>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT

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<i>Triphora craigheadii</i>	Craighead's Nodding-caps	G1	S1	N	LE
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*
Matrix Unit ID: 24764					
Likely					
<i>Falco sparverius paulus</i>	Southeastern American Kestrel	G5T4	S3	N	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Mesic flatwoods		G4	S4	N	N
Sandhill		G3	S2	N	N
Potential					
<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Justicia cooley</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>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>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>Triphora craigheadii</i>	Craighead's Nodding-caps	G1	S1	N	LE
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*

Matrix Unit ID: 24765

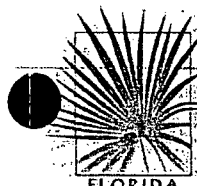
Likely

<i>Falco sparverius paulus</i>	Southeastern American Kestrel	G5T4	S3	N	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Sandhill		G3	S2	N	N

Potential

<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
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Florida Natural Areas Inventory

Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>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>Picoides borealis</i>	Red-cockaded Woodpecker	G3	S2	LE	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>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>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*

Matrix Unit ID: 25020

Likely

Mesic flatwoods
Sciurus niger shermani

Sherman's Fox Squirrel
G4
G5T3 S4 S3 N N
N LS

Potential

Agrimonia incisa
Calopogon multiflorus
Centrosema arenicola
Coelorachis tuberculosa
Digitaria floridana
Drymarchon couperi
Gopherus polyphemus
Grus canadensis pratensis
Heterodon simus
Matelea floridana
Mustela frenata peninsulæ
Nemastylis floridana
Neofiber alleni
Notophthalmus perstriatus
Panicum abscissum
Pituophis melanoleucus mugitus
Podomys floridanus
Pteroglossaspis ecristata
Rana capito

Incised Groove-bur
Many-flowered Grass-pink
Sand Butterfly Pea
Piedmont Jointgrass
Florida Crabgrass
Eastern Indigo Snake
Gopher Tortoise
Florida Sandhill Crane
Southern Hognose Snake
Florida Spiny-pod
Florida Long-tailed Weasel
Celestial Lily
Round-tailed Muskrat
Striped Newt
Cutthroat Grass
Florida Pine Snake
Florida Mouse
Giant Orchid
Gopher Frog
G3 S2 N LE
G2G3 S2S3 N LE
G2Q S2 N LE
G3 S3 N LT
G1 S1 N N
G3 S3 LT LT
G3 S3 N LT
G5T2T3 S2S3 N LT
G2 S2 N N
G2 S2 N LE
G5T3 S3 N N
G2 S2 N LE
G3 S3 N N
G2G3 S2S3 N N
G3 S3 N LE
G4T3 S3 N LS
G3 S3 N LS
G2G3 S2 N LT
G3 S3 N LS

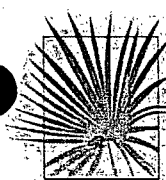
Matrix Unit ID: 25021

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Florida Natural Areas Inventory

Biodiversity Matrix Report



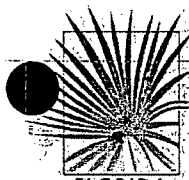
Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Potential					
<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<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>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<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>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>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>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS

Matrix Unit ID: 25022

Potential

<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<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>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<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>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	G4T3	S3	N	LS
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Pteroglossaspis ecristata</i>	Giant Orchid	G2G3	S2	N	LT
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT

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Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Matrix Unit ID: 25023					
Likely					
Mesic flatwoods		G4	S4	N	N
Potential					
<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<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>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<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>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: 25024

Likely

<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
Mesic flatwoods		G4	S4	N	N
Sandhill		G3	S2	N	N
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS

Potential

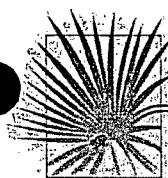
<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT

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Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Justicia cooleyi</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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>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>Pycnanthemum floridanum</i>	Florida Mountain-mint	G3	S3	N	LT
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT
<i>Triphora craigheadii</i>	Craighead's Nodding-caps	G1	S1	N	LE
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*

Matrix Unit ID: 25025

Likely

<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
Mesic flatwoods		G4	S4	N	N
Sandhill		G3	S2	N	N
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS

Potential

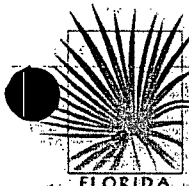
<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Asplenium heteroresiliens</i>	Wagner's Spleenwort	GNA	S1	N	N
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	G2	S2	N	LE
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Justicia cooleyi</i>	Cooley's Water-willow	G2	S2	LE	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	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

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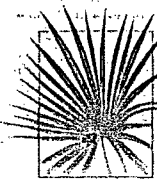
Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<i>Nolina brittoniana</i>	Britton's Beargrass	G3	S3	LE	LE
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Picoides borealis</i>	Red-cockaded Woodpecker	G3	S2	LE	LS
<i>Pituophis melanoleucus mugitus</i>	Florida 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>Pycnanthemum floridanum</i>	Florida Mountain-mint	G3	S3	N	LT
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Spigelia loganioides</i>	Pinkroot	G2Q	S2	N	LE
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT
<i>Triphora craigheadii</i>	Craighead's Nodding-caps	G1	S1	N	LE
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*

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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

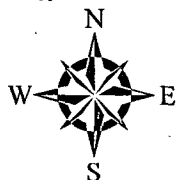
- Federal
- State
- Local
- Private
- ▨ State Aquatic Preserves

Land Acquisition Projects

- ▨ Florida Forever
- ▨ Board of Trustees Projects

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

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

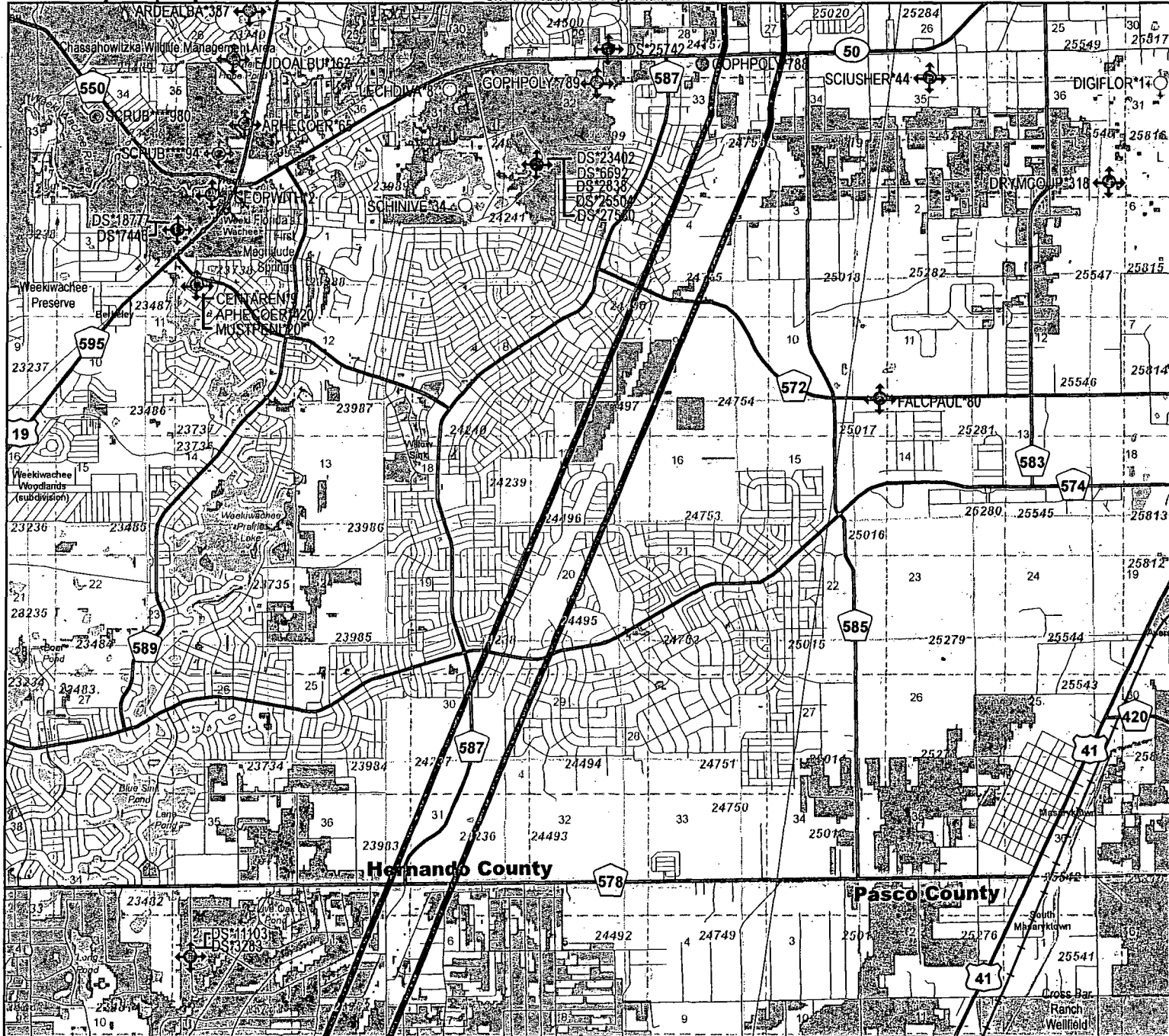


NOTE
Map should not be interpreted without accompanying documents.

Lake Tarpon (Map 6 of 9)

Site boundaries are approximate.

Hernando and Pasco Counties



0 0.5 1 2 3 4 Miles

Map produced by LHH
Map Date: 16 APR 2008

Florida Natural Areas Inventory
ELEMENT OCCURRENCES DOCUMENTED ON OR NEAR
PROJECT SITE



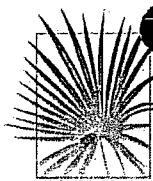
Map Label	Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing	Observation Date	Description	EO Comments
SCIUSHER*44	Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS	1989	SANDHILL	7 SQUIRRELS SITED BETWEEN OCT 1988 AND JULY 1989.
ARDEALBA*387	Ardea alba	Great Egret	G5	S4	N	N	1987-06-16	Swamp	1987/06/16: D.E. Runde, GFC; Total = 40 (includes GREG, CAEG). 1989: Site vacant - colony may have shifted to Gear Hope Pond Colony (located in 1989).
SCHINIVE*34	Schizachyrium niveum	Scrub Bluestem	G1	S1	N	LE	1959-10-16	Open weedy area below wooded slope; white sand Pinus clausa-oak scrub.	Fruiting specimen collected by J.D. Ray Jr. 59-10-16, spec. # 9537, USF # 24743; common.
LECHDIVA*8	Lechea divaricata	Pine Pinweed	G2	S2	N	LE	1959-10-16	WHITE SAND PINUS CLAUSA-OAK SCRUB, OPEN GRASS SLOPE BORDERING PRAIRIE.	COMMON; ? FLOWERING AND FRUITING; JAMES D. RAY, JR. SPECIMEN #9538, COLLECTED 16 OCT 1959. FLAS #79582.
FALCPAUL*80	Falco sparverius paulus	Southeastern American Kestrel	G5T4	S3	N	LT	1988-07	Utility right of way	1988-07: Noel Warner (Warner? -NeSmith) reports 3 birds along a stretch of powerline. (D. E. Runde GFC record).
GOPHPOLY*789	Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT	1987-07-22	OPEN SAND PINE SCRUB, WHITE SAND WITH LICHEN BARRENS.	AT LEAST 1 BURROW OBSERVED.
DS*25742	Data Sensitive Element	Data Sensitive	G5	S1	N	LE	1935-04-14	Data Sensitive	Data Sensitive
DS*2838	Data Sensitive Element	Data Sensitive	G2	S2	N	N	1994	Data Sensitive	Data Sensitive
DS*3283	Data Sensitive Element	Data Sensitive	G3	S3	N	N	1983-pre	Data Sensitive	Data Sensitive
DS*6692	Data Sensitive Element	Data Sensitive	G1G2	S1S2	N	N	1983-pre	Data Sensitive	Data Sensitive
DS*7446	Data Sensitive Element	Data Sensitive	G3	S3	N	N	1983-pre	Data Sensitive	Data Sensitive
DS*11103	Data Sensitive Element	Data Sensitive	G1G2	S1S2	N	N	1983-pre	Data Sensitive	Data Sensitive
SCRUB****980	Scrub		G2	S2	N	N	1997-05-20	Sand pine scrub along the Weeki Wachee River (spring-run stream) on Paola fine sand; development along CR 550 and south of river.	1997-05-20: Mature sand pine scrub in area with much topographic relief. Canopy consists of 50-60' sand pines; dense undergrowth varying from 6-7' and up to 15'; the shrub layer is dominated by Quercus myrtifolia (40%), Quercus chapmanii (15%), Lyonia fr
GOPHPOLY*788	Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT	1992-pre	SANDHILL AND SCRUB.	1 OLD BURROW OBSERVED.
DS*23402	Data Sensitive Element	Data Sensitive	G3	S3	N	N	1983-pre	Data Sensitive	Data Sensitive

Florida Natural Areas Inventory

ELEMENT OCCURRENCES DOCUMENTED ON OR NEAR PROJECT SITE



Map Label	Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing	Observation Date	Description	EO Comments
DS*25504	Data Sensitive Element	Data Sensitive	G3	S3	N	N	1983-pre	Data Sensitive	Data Sensitive
DS*27580	Data Sensitive Element	Data Sensitive	G1G2	S1S2	N	N	1983-pre	Data Sensitive	Data Sensitive
DRYMC0UP*318	Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT	1936-12-06	No general description given	MUSEUM SPECIMEN: A. LAESSLE, 6 DEC 1936 (UF 910).
DIGIFLOR*1	Digitaria floridana	Florida Crabgrass	G1	S1	N	N	1960-09-30	IN HEAPS OF POT SOIL AND ALONG PATHS, MOSTLY IN SAWDUST ON THE GROUNDS OF NINA'S NURSERY.	1960-09-30: FRUITING, ABUNDANT, SOME PLANTS WITH LEAFY STOLONS.
CENTAREN*9	Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	N	LE	1971-09-22	No general description given	COLL. BY COOLEY ET AL. (7011) 1959 (USF), GENELLE & FLEMING (1003) SEP. 1971 (USF)
APHECOER*420	Aphelocoma coerulescens	Florida Scrub-jay	G2	S2	LT	LT	1985	OAK SCRUB.	2 OBSERVED FEEDING.
EUDOALBU*162	Eudocimus albus	White Ibis	G5	S4	N	LS	1989-05-08	Lake	1989/05/08: J.A. Hovis, GFC. Lots of white flowers; photos will be misleading. ANHI have downy chicks. Surveyed from helicopter. Site not visited by plane in 1989. "Total" = D (includes CAEG, WHIB, ANHI).
MUSTPENI*20	Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N	N	1966-12	Sandhill/Upland Pine Forest	1966-12: G. Foxbower, IND, observation. Mounted and in museum at Foxbower's taxidermy shop.
APHECOER*65	Aphelocoma coerulescens	Florida Scrub-jay	G2	S2	LT	LT	1991-08-19	LARGE AREA OF SAND PINE SCRUB, BURNED ABOUT 1970-1975, NOW 2 M OAK SCRUB W/ SOME SAND PINES UP TO 6 M. ALSO CERATIOLA ERICOIDES, GARBERA HETEROPHYLLA, LYONIA FERRUGINEA, AND SERENOA REPENS.	1981-06-13: 5 SCRUB JAYS. 1989: 3 INDIVIDUALS OBSERVED (U89JON02FL). 91-08-19: 3 SCRUB JAYS SEEN AND HEARD OTHERS CALLING (UNDHIL02FL).
DS*18777	Data Sensitive Element	Data Sensitive	G1G2	S1S2	N	N	1983-pre	Data Sensitive	Data Sensitive
SCRUB****94	Scrub		G2	S2	N	N	2004	LARGE AREA OF FORMERLY BURNED SCRUB	2004: Update to last obs date was based on interpretation of aerial photography (previous value was 1981-06-13) (U05FNA02FLUS). LARGE AREA OF FORMER SAND PINE SCRUB, BURNED ABOUT 1970-1975, NOW (1981-06-13) 2 M OAK SCRUB WITH SOME SAND PINES UP TO 6 M.



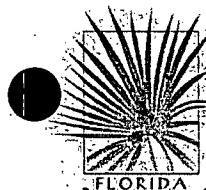
18 Thomasville Road
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Florida Natural Areas Inventory

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				
GEOPWITH*2	Geopsammodius withlacoochee	Withlacoochee Tiny Sand-loving Scarab	G1	S1	N	N		2002-11-24	2002-11-24: oak scrub (A06SKE01FLUS).	2002-11-24: A total of 345 specimens were collected by sifting sand near oak scrub (A06SKE01FLUS).



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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: 23981					
Likely					
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Mesic flatwoods		G4	S4	N	N
Potential					
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Lechea cernua</i>	Nodding Pinweed	G3	S3	N	LT
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Neofiber alleni</i>	Round-tailed Muskrat	G3	S3	N	N
<i>Nolina atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Panicum abscissum</i>	Cutthroat Grass	G3	S3	N	LE
<i>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S3	N	LE
<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>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*
<i>Warea carteri</i>	Carter's Warea	G3	S3	LE	LE

Matrix Unit ID: 23982

Likely

<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
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Potential

<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>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

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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.

Florida Natural Areas Inventory

Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<i>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Neofiber alleni</i>	Round-tailed Muskrat	G3	S3	N	N
<i>Nolina atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Panicum abscissum</i>	Cutthroat Grass	G3	S3	N	LE
<i>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S3	N	LE
<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>Warea carteri</i>	Carter's Warea	G3	S3	LE	LE

Matrix Unit ID: 23983

Likely

<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Mesic flatwoods		G4	S4	N	N

Potential

<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Lechea cernua</i>	Nodding Pinweed	G3	S3	N	LT
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulae</i>	Florida Long-tailed Weasel	G5T3	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 atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Panicum abscissum</i>	Cutthroat Grass	G3	S3	N	LE
<i>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S3	N	LE
<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>Warea carteri</i>	Carter's Warea	G3	S3	LE	LE

Matrix Unit ID: 24235

Likely

<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
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 Likely - Rare species and natural communities likely to occur on this site based on suitable habitat and/or known occurrences in the vicinity.
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Florida Natural Areas Inventory

Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Potential					
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>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>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Neofiber alleni</i>	Round-tailed Muskrat	G3	S3	N	N
<i>Nolina atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Panicum abscissum</i>	Cutthroat Grass	G3	S3	N	LE
<i>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S3	N	LE
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<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>Warea carteri</i>	Carter's Warea	G3	S3	LE	LE

Matrix Unit ID: 24236

Likely

<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
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Potential

<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>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>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Neofiber alleni</i>	Round-tailed Muskrat	G3	S3	N	N
<i>Nolina atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<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>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S3	N	LE

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Florida Natural Areas Inventory

Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Salix floridana</i>	Florida Willow	G2	S2	N	LE
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Warea carteri</i>	Carter's Warea	G3	S3	LE	LE

Matrix Unit ID: 24237

Likely

<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
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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>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<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>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>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Neofiber alleni</i>	Round-tailed Muskrat	G3	S3	N	N
<i>Nolina atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<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>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Warea carteri</i>	Carter's Warea	G3	S3	LE	LE

Matrix Unit ID: 24238

Likely

<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
<i>Mycteria americana</i>	Wood Stork	G4	S2	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>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT

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Florida Natural Areas Inventory

Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>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>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Neofiber alleni</i>	Round-tailed Muskrat	G3	S3	N	N
<i>Nolina atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Panicum abscissum</i>	Cutthroat Grass	G3	S3	N	LE
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Warea carteri</i>	Carter's Warea	G3	S3	LE	LE

Matrix Unit ID: 24239

Likely

<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
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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>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>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>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>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Warea carteri</i>	Carter's Warea	G3	S3	LE	LE

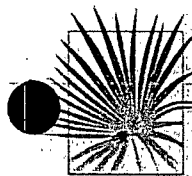
Matrix Unit ID: 24494

Likely

Mesic flatwoods		G4	S4	N	N
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Potential

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Florida Natural Areas Inventory

Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<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>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<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>Gymnopogon chapmanianus</i>	Chapman's Skeletongrass	G3	S3	N	N
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Lechea cernua</i>	Nodding Pinweed	G3	S3	N	LT
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulae</i>	Florida Long-tailed Weasel	G5T3	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 atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<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>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Warea carteri</i>	Carter's Warea	G3	S3	LE	LE

Matrix Unit ID: 24495

Likely

<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
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Potential

<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Gymnopogon chapmanianus</i>	Chapman's Skeletongrass	G3	S3	N	N
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Lechea cernua</i>	Nodding Pinweed	G3	S3	N	LT
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	N	LE

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<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	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 atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<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>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Schizachyrium niveum</i>	Scrub Bluestem	G1	S1	N	LE
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Warea carteri</i>	Carter's Warea	G3	S3	LE	LE

Matrix Unit ID: 24496

Likely

<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Sandhill		G3	S2	N	N

Potential

<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Asplenium x curtissii</i>	Curtiss' Spleenwort	GNA	S1	N	N
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Gymnopogon chapmanianus</i>	Chapman's Skeletongrass	G3	S3	N	N
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Lechea cernua</i>	Nodding Pinweed	G3	S3	N	LT
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>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>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>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Warea carteri</i>	Carter's Warea	G3	S3	LE	LE

Matrix Unit ID: 24497

Likely

<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
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Florida Natural Areas Inventory

Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Sandhill		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>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>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>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>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>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Warea carteri</i>	Carter's Warea	G3	S3	LE	LE

Matrix Unit ID: 24498

Likely

<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
<i>Lechea divaricata</i>	Pine Pinweed	G2	S2	N	LE
<i>Procambarus leitheuseri</i>	Coastal Lowland Cave Crayfish	G1G2	S1S2	N	N
Sandhill		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>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>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>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

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Florida Natural Areas Inventory

Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Schizachyrium niveum</i>	Scrub Bluestem	G1	S1	N	LE
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS

Matrix Unit ID: 24754

Likely

<i>Grus canadensis pratensis</i> Sandhill	Florida Sandhill Crane	G5T2T3 G3	S2S3 S2	N N	LT N
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Potential

<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>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>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>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>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*
<i>Warea carteri</i>	Carter's Warea	G3	S3	LE	LE

Matrix Unit ID: 24755

Likely

<i>Grus canadensis pratensis</i> Sandhill	Florida Sandhill Crane	G5T2T3 G3	S2S3 S2	N N	LT N
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Potential

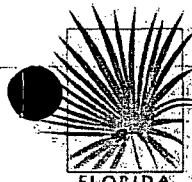
<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Lechea cernua</i>	Nodding Pinweed	G3	S3	N	LT

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Florida Natural Areas Inventory Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<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>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>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>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*

Matrix Unit ID: 24756

Likely

<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
<i>Lechea divaricata</i>	Pine Pinweed	G2	S2	N	LE
Mesic flatwoods		G4	S4	N	N
Sandhill		G3	S2	N	N

Potential

<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Blechnum occidentale</i>	Sinkhole Fern	G5	S1	N	LE
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	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>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>Schizachyrium niveum</i>	Scrub Bluestem	G1	S1	N	LE
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*

Matrix Unit ID: 24757

Documented

<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
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www.fnai.org

Florida Natural Areas Inventory

Biodiversity Matrix Report



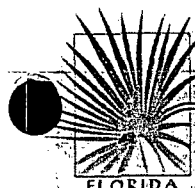
Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Likely					
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
<i>Lechea divaricata</i>	Pine Pinweed	G2	S2	N	LE
Sandhill		G3	S2	N	N
Potential					
<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Blechnum occidentale</i>	Sinkhole Fern	G5	S1	N	LE
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	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>Peromyscus floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Schizachyrium niveum</i>	Scrub Bluestem	G1	S1	N	LE
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
Matrix Unit ID: 25019					
Likely					
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Mesic flatwoods		G4	S4	N	N
Sandhill		G3	S2	N	N
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
Potential					
<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>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>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE

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Florida Natural Areas Inventory

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Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<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>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>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*

Matrix Unit ID: 25020

Likely

Mesic flatwoods		G4	S4	N	N
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS

Potential

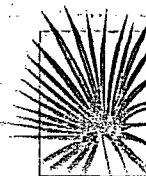
<i>Agrimonia incisa</i>	Incised Groove-bur	G3	S2	N	LE
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon 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>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>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>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

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FLORIDA Natural Areas INVENTORY

Element Occurrences

- Animals
- Plants
- Communities
- Other
- Data Sensitive

Point Indicates General
Vicinity of Element

U.S. Fish & Wildlife Service
Scrub Jay Survey 1992-96

Conservation Lands

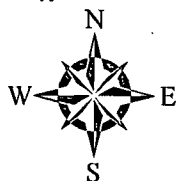
- Federal
- State
- Local
- Private
- State Aquatic Preserves

Land Acquisition Projects

- Florida Forever
- Board of Trustees Projects

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

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



NOTE
Map should not be interpreted without
accompanying documents.

Lake Tarpon (Map 7 of 9)

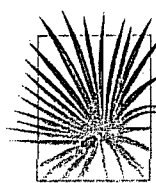
Site boundaries are approximate.

Pasco County



0 0.5 1 2 3 4 Miles

Map produced by LHH
Map Date: 16 APR 2008



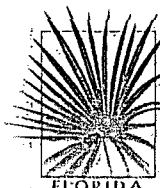
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Florida Natural Areas Inventory

ELEMENT OCCURRENCES DOCUMENTED ON OR NEAR PROJECT SITE



Map Label	Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing	Observation Date	Description	EO Comments
EUDOALBU*182	Eudocimus albus	White Ibis	G5	S4	N	LS	1989-04-24	Marsh lake	1989/04/24: D.E. Runde, GFC. copter flight; habitat= willow marsh on lake edge "Total" = F (includes GREG, CAEG, LBHE, WHIB, ANHI).
EGRETHUL*222	Egretta thula	Snowy Egret	G5	S3	N	LS	1989-04-24	Marshy pond surrounded by citrus groves.	1989/04/24: D.E. Runde, GFC. helicopter flight; "Total" = E (includes SNEG, CAEG, LBHE, ANHI, DCCO, SMWHITE). Colony in marshy pond surrounded by citrus groves.
ARDEALBA*496	Ardea alba	Great Egret	G5	S4	N	N	1989-04-18	Island in lake; Marsh, willows.	1989: 04/18 - D.E. Runde, GFC; fixed wing flight; GREG are low in nest: Total = C (includes GREG, SMWHITE, LRGWHITE); 04/24 - D.E. Runde, GFC; copter flight Total = D (includes GREG, CAEG).
FALCPAUL*81	Falco sparverius paulus	Southeastern American Kestrel	G5T4	S3	N	LT	1988-07	Utility right of way	1988-07: Noel Warner (Wamer? -NeSmith) reports 3 observations of single birds along a stretch of powerline from lat 282200N, 282230N, and 282400N, ca. 2 mile. (D. E. Runde GFC record).
EGRECAER*338	Egretta caerulea	Little Blue Heron	G5	S4	N	LS	1989-04-24	Marshy pond surrounded by groveland, marsh in citrus	1989/04/24: D.E. Runde, GFC, observation. helicopter flight; "Total" = E (includes SNEG, CAEG, LBHE, ANHI, DCCO, SMWHITE).
EGRECAER*337	Egretta caerulea	Little Blue Heron	G5	S4	N	LS	1989-04-24	Colony in willow marsh at north edge of lake.	1989/04/24: D.E. Runde, GFC, observation. Helicopter flight; Total" = F (includes GREG, CAEG, LBHE, WHIB, ANHI).
ARDEALBA*493	Ardea alba	Great Egret	G5	S4	N	N	1989-04-24	Shrubs (willows) on marsh at north end of lake.	1989/04/24: D.E. Runde, GFC; copter flight; Total = F (includes GREG, CAEG, LBHE, WHIB, ANHI).
GRUSPRAT*5	Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3	S2S3	N	LT	2005-11-02	1986: FW MARSHES (U86HAN05FLUS).	2005-11-02: At least three cranes seen by Michael R. Jenkins, FNAI on informal survey of exotic plants for the ranch. Interview with Cross Bar Consulting Land Manager, John H. Holzaepfel (PNDHOL05FLUS) led to referral of Management Report (N04PEA01FLUS)



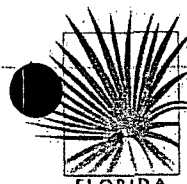
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ELEMENT OCCURRENCES DOCUMENTED ON OR NEAR PROJECT SITE



Map Label	Scientific Name	Common Name	Global State Federal State Observation				Date	Description	EO Comments
			Rank	Rank	Status	Listing			
GOPHPOLY*623	Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT	1988-02	SAND PINE, 30-35'; SANDY LOOSE SOILS ADJACENT TO EXTENSIVE WETLANDS, ALSO LIVEOAK FOREST IN SIMILAR LOCATION.	3 INDIVIDUALS; NUMEROUS BURROWS.
LITSAEST*16	Litsea aestivalis	Pondspice	G3	S2	N	LE	1990-09-22	1990: NONE GIVEN ON HERBARIUM LABEL.	1990: FRUIT PRESENT (S90WUNSFFLUS).
PITUMUGI*1	Pituophis melanoleucus mugitus	Florida Pine Snake	G4T3	S3	N	LS	1986-04-18	1986-04-18: sandhills with bahia pasture, Aristida on edges of pasture; cypress swamps nearby (U86HAN02FLUS).	2005-11-02: No individuals seen by Michael R. Jenkins, FNAI on informal survey. Interview with Cross Bar Consulting Land Manager, John H. Holzaepfel (PNDHOL05FLUS) led to referral of Management Report (N04PEA01FLUS) that reported this species as
HALILEUC*58	Haliaeetus leucocephalus	Bald Eagle	G5	S3	N	LT	2003	No general description given	Nest status 1995-2003: Continuously active. (U03FWC01FLUS). Previous data (note different format) NEST: 1981-1988 ACTIVE. FLEDGED YOUNG 1981-1987.



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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
Matrix Unit ID: 23472					
Likely					
<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
Mesic flatwoods		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Sandhill		G3	S2	N	N
Scrub		G2	S2	N	N
Potential					
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Lechea cernua</i>	Nodding Pinweed	G3	S3	N	LT
<i>Lechea divaricata</i>	Pine Pinweed	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	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>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S3	N	LE
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Rostrhamus sociabilis plumbeus</i>	Snail Kite	G4G5T3Q	S2	LE	LE
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*

Matrix Unit ID: 23473

Likely

<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
Mesic flatwoods		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Sandhill		G3	S2	N	N

Potential

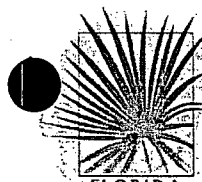
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Lechea cernua</i>	Nodding Pinweed	G3	S3	N	LT

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Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	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>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S3	N	LE
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*

Matrix Unit ID: 23474

Likely

Dry prairie		G2	S2	N	N
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
Mesic flatwoods		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Sandhill		G3	S2	N	N
Sandhill upland lake		G3	S2	N	N

Potential

<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Lechea cernua</i>	Nodding Pinweed	G3	S3	N	LT
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	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>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S3	N	LE
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*

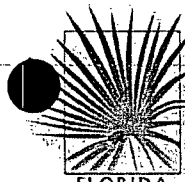
Matrix Unit ID: 23723

Likely

<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Mesic flatwoods		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Sandhill		G3	S2	N	N
Scrub		G2	S2	N	N

Potential

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<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	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>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Gymnopogon chapmanianus</i>	Chapman's Skeletongrass	G3	S3	N	N
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Lechea cernua</i>	Nodding Pinweed	G3	S3	N	LT
<i>Lechea divaricata</i>	Pine Pinweed	G2	S2	N	LE
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Neofiber alleni</i>	Round-tailed Muskrat	G3	S3	N	N
<i>Nolina atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<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>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S3	N	LE
<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>Rostrhamus sociabilis plumbeus</i>	Snail Kite	G4G5T3Q	S2	LE	LE
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*
<i>Warea carteri</i>	Carter's Warea	G3	S3	LE	LE

Matrix Unit ID: 23724

Likely

<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Mesic flatwoods		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Sandhill		G3	S2	N	N

Potential

<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	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>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Gymnopogon chapmanianus</i>	Chapman's Skeletongrass	G3	S3	N	N
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Lechea cernua</i>	Nodding Pinweed	G3	S3	N	LT
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE

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<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>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Neofiber alleni</i>	Round-tailed Muskrat	G3	S3	N	N
<i>Nolina atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Panicum abscissum</i>	Cutthroat Grass	G3	S3	N	LE
<i>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S3	N	LE
<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>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*
<i>Warea carteri</i>	Carter's Warea	G3	S3	LE	LE

Matrix Unit ID: 23725

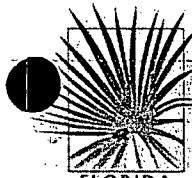
Likely

<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Mesic flatwoods		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Sandhill		G3	S2	N	N

Potential

<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gymnopogon chapmanianus</i>	Chapman's Skeletongrass	G3	S3	N	N
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Lechea cernua</i>	Nodding Pinweed	G3	S3	N	LT
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Neofiber alleni</i>	Round-tailed Muskrat	G3	S3	N	N
<i>Nolina atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<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>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S3	N	LE
<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>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*
<i>Warea carteri</i>	Carter's Warea	G3	S3	LE	LE

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Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Matrix Unit ID: 23726					
Likely					
<i>Ardea alba</i>	Great Egret	G5	S4	N	N
<i>Egretta caerulea</i>	Little Blue Heron	G5	S4	N	LS
<i>Eudocimus albus</i>	White Ibis	G5	S4	N	LS
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Mesic flatwoods		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Sandhill		G3	S2	N	N
Sandhill upland lake		G3	S2	N	N
Potential					
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	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>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gymnopogon chapmanianus</i>	Chapman's Skeletongrass	G3	S3	N	N
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Lechea cernua</i>	Nodding Pinweed	G3	S3	N	LT
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulae</i>	Florida Long-tailed Weasel	G5T3	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 atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<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>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S3	N	LE
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Pteroglossaspis ecrinata</i>	Giant Orchid	G2G3	S2	N	LT
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*
<i>Warea carteri</i>	Carter's Warea	G3	S3	LE	LE
Matrix Unit ID: 23727					
Likely					
<i>Ardea alba</i>	Great Egret	G5	S4	N	N
<i>Egretta caerulea</i>	Little Blue Heron	G5	S4	N	LS
<i>Eudocimus albus</i>	White Ibis	G5	S4	N	LS
<i>Falco sparverius paulus</i>	Southeastern American Kestrel	G5T4	S3	N	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Mesic flatwoods		G4	S4	N	N

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<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Sandhill		G3	S2	N	N
Sandhill upland lake		G3	S2	N	N
Potential					
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Gymnopogon chapmanianus</i>	Chapman's Skelétongrass	G3	S3	N	N
<i>Heterodon simus</i>	Southern Hognoſe Snake	G2	S2	N	N
<i>Lechea cernua</i>	Nodding Pinweed	G3	S3	N	LT
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Neofiber alleni</i>	Round-tailed Muskrat	G3	S3	N	N
<i>Nolina atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Panicum abscissum</i>	Cutthroat Grass	G3	S3	N	LE
<i>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S3	N	LE
<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>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*
<i>Warea carteri</i>	Carter's Warea	G3	S3	LE	LE

Matrix Unit ID: 23728

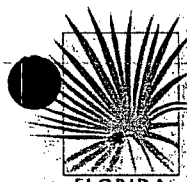
Likely

<i>Ardea alba</i>	Great Egret	G5	S4	N	N
<i>Egretta caerulea</i>	Little Blue Heron	G5	S4	N	LS
<i>Eudocimus albus</i>	White Ibis	G5	S4	N	LS
<i>Falco sparverius paulus</i>	Southeastern American Kestrel	G5T4	S3	N	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Sandhill		G3	S2	N	N
Sandhill upland lake		G3	S2	N	N

Potential

<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N

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<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Gymnopogon chapmanianus</i>	Chapman's Skeletongrass	G3	S3	N	N
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Lechea cernua</i>	Nodding Pinweed	G3	S3	N	LT
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	N	LE
<i>Mustela frenata peninsulae</i>	Florida Long-tailed Weasel	G5T3	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 atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<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>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S3	N	LE
<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>Triphora craigheadii</i>	Craighead's Nodding-caps	G1	S1	N	LE
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*
<i>Warea carteri</i>	Carter's Warea	G3	S3	LE	LE

Matrix Unit ID: 23729

Likely

<i>Falco sparverius paulus</i>	Southeastern American Kestrel	G5T4	S3	N	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Sandhill		G3	S2	N	N

Potential

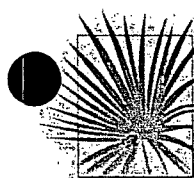
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Athene cucularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Gymnopogon chapmanianus</i>	Chapman's Skeletongrass	G3	S3	N	N
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Lechea cernua</i>	Nodding Pinweed	G3	S3	N	LT
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	N	LE
<i>Mustela frenata peninsulae</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Neofiber alleni</i>	Round-tailed Muskrat	G3	S3	N	N

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<i>Nolina atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<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>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S3	N	LE
<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>Triphora craigheadii</i>	Craighead's Nodding-caps	G1	S1	N	LE
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*
<i>Warea carteri</i>	Carter's Warea	G3	S3	LE	LE

Matrix Unit ID: 23730

Likely

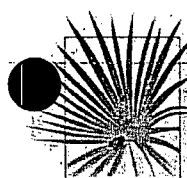
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Sandhill		G3	S2	N	N

Potential

<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Lechea cernua</i>	Nodding Pinweed	G3	S3	N	LT
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	N	LE
<i>Mustela frenata peninsulae</i>	Florida Long-tailed Weasel	G5T3	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 atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Panicum abscissum</i>	Cutthroat Grass	G3	S3	N	LE
<i>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S3	N	LE
<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>Triphora craigheadii</i>	Craighead's Nodding-caps	G1	S1	N	LE
<i>Warea carteri</i>	Carter's Warea	G3	S3	LE	LE

Matrix Unit ID: 23977

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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
Likely					
<i>Ardea alba</i>	Great Egret	G5	S4	N	N
<i>Egretta caerulea</i>	Little Blue Heron	G5	S4	N	LS
<i>Egretta thula</i>	Snowy Egret	G5	S3	N	LS
<i>Eudocimus albus</i>	White Ibis	G5	S4	N	LS
<i>Falco sparverius paulus</i>	Southeastern American Kestrel	G5T4	S3	N	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Mesic flatwoods		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Sandhill		G3	S2	N	N
Sandhill upland lake		G3	S2	N	N
Potential					
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Gymnopogon chapmanianus</i>	Chapman's Skeletongrass	G3	S3	N	N
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Lechea cernua</i>	Nodding Pinweed	G3	S3	N	LT
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	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 atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<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>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S3	N	LE
<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>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Triphora craigheadii</i>	Craighead's Nodding-caps	G1	S1	N	LE
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*
<i>Warea carteri</i>	Carter's Warea	G3	S3	LE	LE

Matrix Unit ID: 23978

Likely

<i>Ardea alba</i>	Great Egret	G5	S4	N	N
<i>Egretta caerulea</i>	Little Blue Heron	G5	S4	N	LS
<i>Egretta thula</i>	Snowy Egret	G5	S3	N	LS

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Florida Natural Areas Inventory

Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<i>Eudocimus albus</i>	White Ibis	G5	S4	N	LS
<i>Falco sparverius paulus</i>	Southeastern American Kestrel	G5T4	S3	N	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Mesic flatwoods		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Sandhill		G3	S2	N	N
Sandhill upland lake		G3	S2	N	N
Potential					
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Gymnopogon chapmanianus</i>	Chapman's Skeletongrass	G3	S3	N	N
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Lechea cernua</i>	Nodding Pinweed	G3	S3	N	LT
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	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 atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<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>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S3	N	LE
<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>Triphora craigheadii</i>	Craighead's Nodding-caps	G1	S1	N	LE
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*
<i>Warea carteri</i>	Carter's Warea	G3	S3	LE	LE

Matrix Unit ID: 23979

Likely

<i>Falco sparverius paulus</i>	Southeastern American Kestrel	G5T4	S3	N	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Mesic flatwoods		G4	S4	N	N
Sandhill		G3	S2	N	N

Potential

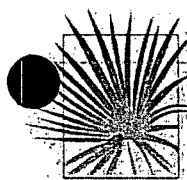
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
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Florida Natural Areas Inventory

Biodiversity Matrix Report



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<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Lechea cernua</i>	Nodding Pinweed	G3	S3	N	LT
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Neofiber alleni</i>	Round-tailed Muskrat	G3	S3	N	N
<i>Nolina atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<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>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S3	N	LE
<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>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*
<i>Warea carteri</i>	Carter's Warea	G3	S3	LE	LE

Matrix Unit ID: 23980

Likely

<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Sandhill		G3	S2	N	N

Potential

<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Lechea cernua</i>	Nodding Pinweed	G3	S3	N	LT
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	G1Q	S1	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	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 atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N

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Florida Natural Areas Inventory

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<i>Panicum abscissum</i>	Cutthroat Grass	G3	S3	N	LE
<i>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S3	N	LE
<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>Triphora craigheadii</i>	Craighead's Nodding-caps	G1	S1	N	LE
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*
<i>Warea carteri</i>	Carter's Warea	G3	S3	LE	LE

Matrix Unit ID: 23981

Likely

<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Mesic flatwoods		G4	S4	N	N

Potential

<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Lechea cernua</i>	Nodding Pinweed	G3	S3	N	LT
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Neofiber alleni</i>	Round-tailed Muskrat	G3	S3	N	N
<i>Nolina atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Panicum abscissum</i>	Cutthroat Grass	G3	S3	N	LE
<i>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S3	N	LE
<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>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*
<i>Warea carteri</i>	Carter's Warea	G3	S3	LE	LE

Matrix Unit ID: 23982

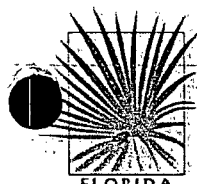
Likely

<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
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Potential

<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
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<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>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>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Neofiber alleni</i>	Round-tailed Muskrat	G3	S3	N	N
<i>Nolina atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Panicum abscissum</i>	Cutthroat Grass	G3	S3	N	LE
<i>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S3	N	LE
<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>Warea carteri</i>	Carter's Warea	G3	S3	LE	LE

Matrix Unit ID: 24235

Likely

<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
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Potential

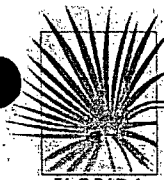
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Digitaria floridana</i>	Florida Crabgrass	G1	S1	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>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>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Neofiber alleni</i>	Round-tailed Muskrat	G3	S3	N	N
<i>Nolina atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Panicum abscissum</i>	Cutthroat Grass	G3	S3	N	LE
<i>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S3	N	LE
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<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

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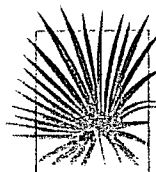
Florida Natural Areas Inventory

Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<i>Warea carteri</i>	Carter's Warea	G3	S3	LE	LE

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FLORIDA Natural Areas INVENTORY

Element Occurrences

- Animals
- Plants
- Communities
- Other
- Data Sensitive



Point Indicates General
Vicinity of Element



U.S. Fish & Wildlife Service
Scrub Jay Survey 1992-96

Conservation Lands



Federal



State



Local



Private



State Aquatic Preserves

Land Acquisition Projects



Florida Forever



Board of Trustees Projects



FNAI Rare Species
Habitat



FNAI Biodiversity Matrix
Square Mile Units



County Boundary



Interstate



Turnpike



Major Highway



Local Road



Railroad (Inactive railroads
shown in Gray)



Water



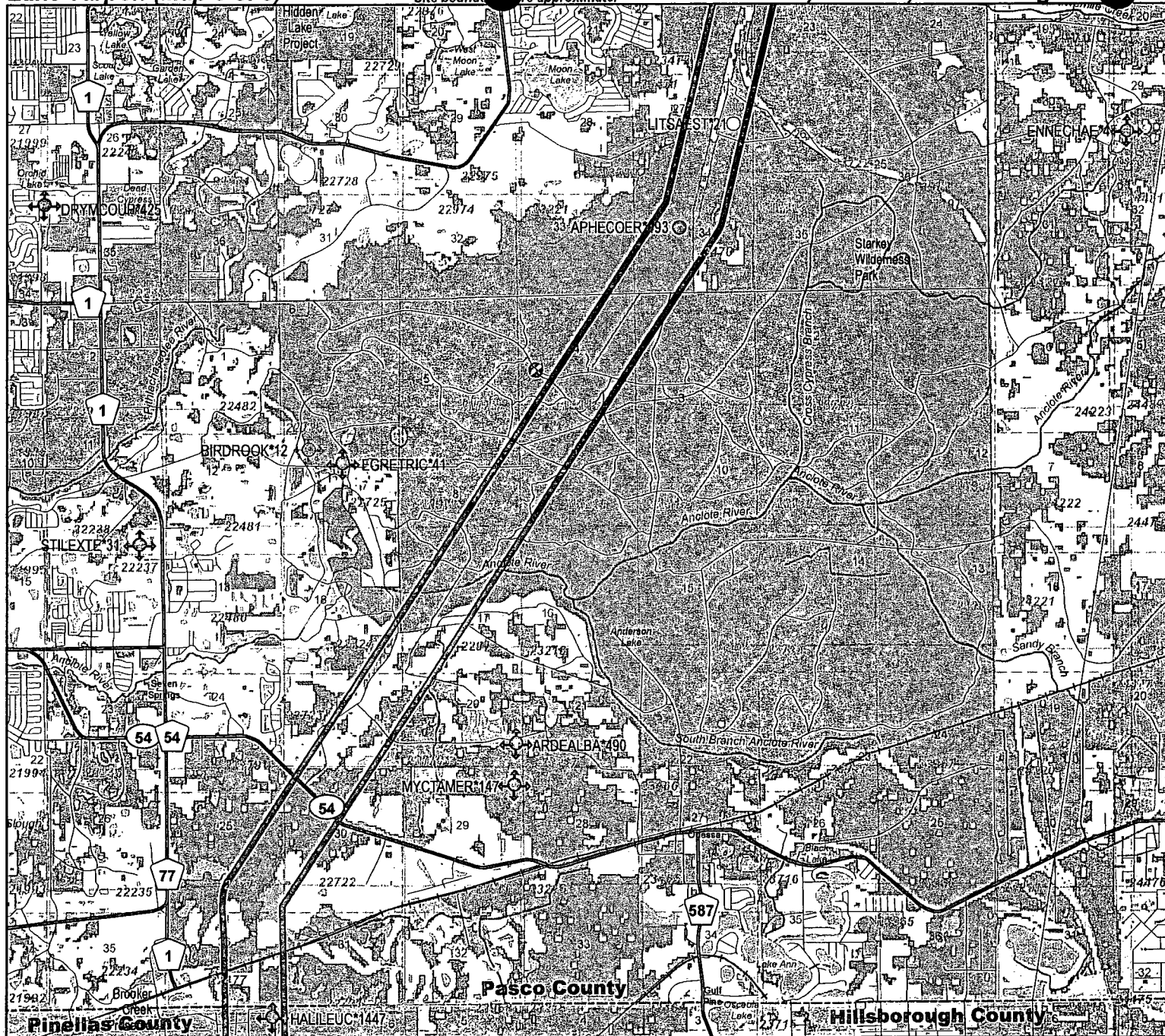
NOTE

Map should not be interpreted without
accompanying documents.

Lake Tarpon (Map 8 of 9)

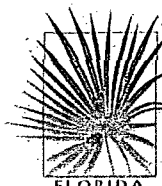
Site boundary is approximate.

Pasco, Pinellas, Hillsborough Counties



0 0.5 1 2 3 4 Miles

Map produced by LHH
Map Date: 16 APR 2008



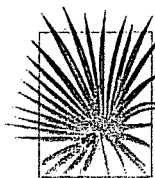
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Florida Natural Areas Inventory

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			
ARDEALBA*490	Ardea alba	Great Egret	G5	S4	N	N	1989-04-24	1989-04-24: Cypress pond in pasture (U97GFC02FLUS).	1989-04-24: D.E. Runde, GFC; copter flight; GREG large young, WOST low Total = B (includes GREG, GRHE, WOST).
DRYMCoup*425	Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT	1978-05-22	No general description given	INDIGO OBSERVED BY W. T. NEILL (NEILL, IN LITT., TO J. DIEMER, 22 MAY 1978).
ENNECHAE*4	Enneacanthus chaetodon	Blackbanded Sunfish	G4	S3	N	N	1973-05-12	POND.	3 SPECIMENS COLLECTED 12 MAY 1973 (REPORTED BY A77BUR02 BUT NOT COLLECTED BY EITHER BURGESS OR GILBERT). 1 SPECIMEN IN FMNH (UF-020608).
MYCTAMER*147	Mycteria americana	Wood Stork	G4	S2	LE	LE	1989-04-24	No general description given	1989/04/24: D.E. Runde, GFC. habitat=cypress pond in pasture; copter flight; GREG large young, WOST low "Total" = B (includes GREG, GRHE, WOST).
STILEXTE*31	Stilosoma extenuatum	Short-tailed Snake	G3	S3	N	LT	1947-08	No general description given	UF-2815, AUGUST 1947, B.W. COOPER.
EGRETRIC*41	Egretta tricolor	Tricolored Heron	G5	S4	N	LS	1978-07	COLONY IS ON ISLAND IN POND; NESTING SUBSTRATE IS WILLOWS AND BUTTONBUSH OVER WATER.	NESTING ACTIVITY UNKNOWN, BUT BIRD IS PRESENT IN AREA.
BIRDROOK*12	Bird Rookery		GNR	SNR	N	N	1978-07	COLONY IS ON ISLAND IN POND; NESTING SUBSTRATE IS WILLOWS AND BUTTONBUSH OVER WATER.	CATTLE EGRET (200 PRS 7/78); TRICOLORED HERON (UNKNOWN BREEDING ACTIVITY, BUT IS PRESENT IN AREA).
APHECOER*493	Aphelocoma coerulescens	Florida Scrub-jay	G2	S2	LT	LT	2004-08-03	2004-08-03: A small depression marsh within scrub habitat in the Starkey Wilderness Preserve, in a karst plain physiographic area. Surrounding scrub habitat was previously extremely fire suppressed with large sand pines forming a tall, dense, closed canopy.	2004-08-03: One juvenile and one adult found while undergoing FNAI natural community mapping project of Starkey Wilderness Preserve (F04FNA10FLUS) in Serenova Xeric Management Unit S6b (U01SWF01FLUS). Juvenile was unbanded and foraging in depression mars



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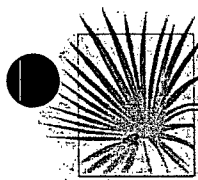
FLORIDA
Natural Areas
INVENTORY

Florida Natural Areas Inventory

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			
LITSAEST*21	<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE	2004-07-29	2004-07-29: plants observed in deep water throughout dome swamp of <i>Taxodium ascendens</i> with <i>Myrica cerifera</i> , <i>Cladium jamaicense</i> , <i>Carex</i> sp., and <i>Panicum hemitomum</i> surrounded by xeric uplands; <i>Litsea</i> dominant shrub; some <i>Litsea</i> plants reached 20 feet tall (2004-07-29: approximately 45 individuals, fruiting; seedlings and older mature individuals observed (F04FNA10FLUS).
HALILEUC*1447	<i>Haliaeetus leucocephalus</i>	Bald Eagle	G5	S3	N	LT	2003	2005-07-12: Source does not provide a description.	Nest status: Active, 2003; Unknown status or not assessed, 2002, 2001, 2000, 1999;(U03FWC01FLUS)



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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: 22476					
Likely					
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Mesic flatwoods		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Sandhill		G3	S2	N	N
Potential					
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Eumops floridanus</i>	Florida bonneted bat	G1	S1	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Gymnopogon chapmanianus</i>	Chapman's Skeletongrass	G3	S3	N	N
<i>Lechea cernua</i>	Nodding Pinweed	G3	S3	N	LT
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	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 atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<i>Panicum abscissum</i>	Cutthroat Grass	G3	S3	N	LE
<i>Picoides borealis</i>	Red-cockaded Woodpecker	G3	S2	LE	LS
<i>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S3	N	LE
<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>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*

Matrix Unit ID: 22477

Documented

<i>Haliaeetus leucocephalus</i>	Bald Eagle	G5	S3	N	LT
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Likely

<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Mesic flatwoods		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Sandhill		G3	S2	N	N

Potential

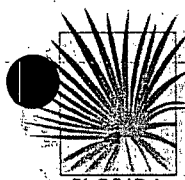
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT

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Florida Natural Areas Inventory

Biodiversity Matrix Report



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<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Eumops floridanus</i>	Florida bonneted bat	G1	S1	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Gymnopogon chapmanianus</i>	Chapman's Skeletongrass	G3	S3	N	N
<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>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Neofiber alleni</i>	Round-tailed Muskrat	G3	S3	N	N
<i>Nolina atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<i>Panicum abscissum</i>	Cutthroat Grass	G3	S3	N	LE
<i>Picoides borealis</i>	Red-cockaded Woodpecker	G3	S2	LE	LS
<i>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S3	N	LE
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Pteroglossaspis ecrinata</i>	Giant Orchid	G2G3	S2	N	LT
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*

Matrix Unit ID: 22478

Likely

<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE

Potential

<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Eumops floridanus</i>	Florida bonneted bat	G1	S1	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Gymnopogon chapmanianus</i>	Chapman's Skeletongrass	G3	S3	N	N
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Lechea cernua</i>	Nodding Pinweed	G3	S3	N	LT
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Neofiber alleni</i>	Round-tailed Muskrat	G3	S3	N	N
<i>Nolina atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<i>Panicum abscissum</i>	Cutthroat Grass	G3	S3	N	LE
<i>Picoides borealis</i>	Red-cockaded Woodpecker	G3	S2	LE	LS
<i>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S3	N	LE
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Pteroglossaspis ecrinata</i>	Giant Orchid	G2G3	S2	N	LT

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<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*

Matrix Unit ID: 22720

Likely

<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Mesic flatwoods		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE

Potential

<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Conradina brevifolia</i>	Short-leaved Rosemary	G2Q	S2	LE	LE
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Eumops floridanus</i>	Florida bonneted bat	G1	S1	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Gymnopogon chapmanianus</i>	Chapman's Skeletongrass	G3	S3	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>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Neofiber alleni</i>	Round-tailed Muskrat	G3	S3	N	N
<i>Nolina atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<i>Panicum abscissum</i>	Cutthroat Grass	G3	S3	N	LE
<i>Picoides borealis</i>	Red-cockaded Woodpecker	G3	S2	LE	LS
<i>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S3	N	LE
<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>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*

Matrix Unit ID: 22721

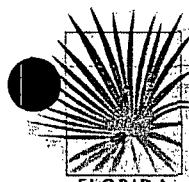
Likely

<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE

Potential

<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE

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<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Conradina brevifolia</i>	Short-leaved Rosemary	G2Q	S2	LE	LE
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Eumops floridanus</i>	Florida bonneted bat	G1	S1	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Gymnopogon chapmanianus</i>	Chapman's Skeletongrass	G3	S3	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>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Neofiber alleni</i>	Round-tailed Muskrat	G3	S3	N	N
<i>Nolina atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<i>Panicum abscissum</i>	Cutthroat Grass	G3	S3	N	LE
<i>Picoides borealis</i>	Red-cockaded Woodpecker	G3	S2	LE	LS
<i>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S3	N	LE
<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>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*

Matrix Unit ID: 22722

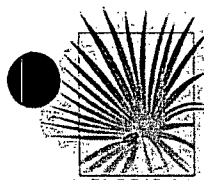
Likely

<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE

Potential

<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Conradina brevifolia</i>	Short-leaved Rosemary	G2Q	S2	LE	LE
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Eumops floridanus</i>	Florida bonneted bat	G1	S1	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Gymnopogon chapmanianus</i>	Chapman's Skeletongrass	G3	S3	N	N
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Lechea cernua</i>	Nodding Pinweed	G3	S3	N	LT
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Neofiber alleni</i>	Round-tailed Muskrat	G3	S3	N	N
<i>Nolina atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<i>Panicum abscissum</i>	Cutthroat Grass	G3	S3	N	LE
<i>Picoides borealis</i>	Red-cockaded Woodpecker	G3	S2	LE	LS
<i>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S3	N	LE

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Florida Natural Areas Inventory

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Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<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>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*

Matrix Unit ID: 22723

Likely

<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Mesic flatwoods		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Sandhill		G3	S2	N	N

Potential

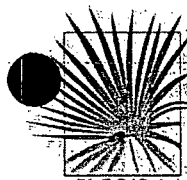
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	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>Gymnopogon chapmanianus</i>	Chapman's Skeletongrass	G3	S3	N	N
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Lechea cernua</i>	Nodding Pinweed	G3	S3	N	LT
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Neofiber alleni</i>	Round-tailed Muskrat	G3	S3	N	N
<i>Nolina atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<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>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S3	N	LE
<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>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*

Matrix Unit ID: 22724

Likely

<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Mesic flatwoods		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Sandhill		G3	S2	N	N

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Potential					
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Conradina brevifolia</i>	Short-leaved Rosemary	G2Q	S2	LE	LE
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Gymnopogon chapmanianus</i>	Chapman's Skeletongrass	G3	S3	N	N
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Lechea cernua</i>	Nodding Pinweed	G3	S3	N	LT
<i>Lechea divaricata</i>	Pine Pinweed	G2	S2	N	LE
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Neofiber alleni</i>	Round-tailed Muskrat	G3	S3	N	N
<i>Nolina atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<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>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S3	N	LE
<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>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*

Matrix Unit ID: 22970

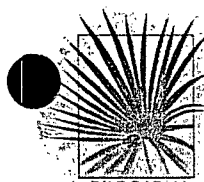
Likely

<i>Ardea alba</i>	Great Egret	G5	S4	N	N
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Mesic flatwoods		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Sandhill		G3	S2	N	N

Potential

<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	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>Gymnopogon chapmanianus</i>	Chapman's Skeletongrass	G3	S3	N	N

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<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Lechea cernua</i>	Nodding Pinweed	G3	S3	N	LT
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Neofiber alleni</i>	Round-tailed Muskrat	G3	S3	N	N
<i>Nolina atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<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>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S3	N	LE
<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>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*

Matrix Unit ID: 22971

Likely

<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Mesic flatwoods		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Sandhill		G3	S2	N	N
Scrub		G2	S2	N	N

Potential

<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Conradina brevifolia</i>	Short-leaved Rosemary	G2Q	S2	LE	LE
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Gymnopogon chapmanianus</i>	Chapman's Skeletongrass	G3	S3	N	N
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Lechea cernua</i>	Nodding Pinweed	G3	S3	N	LT
<i>Lechea divaricata</i>	Pine Pinweed	G2	S2	N	LE
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Neofiber alleni</i>	Round-tailed Muskrat	G3	S3	N	N
<i>Nolina atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Panicum abscissum</i>	Cutthroat Grass	G3	S3	N	LE

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<i>Picoides borealis</i>	Red-cockaded Woodpecker	G3	S2	LE	LS
<i>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S3	N	LE
<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>Schizachyrium niveum</i>	Scrub Bluestem	G1	S1	N	LE
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*

Matrix Unit ID: 22972

Likely

<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Mesic flatwoods		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Sandhill		G3	S2	N	N
Sandhill upland lake		G3	S2	N	N
Scrub		G2	S2	N	N

Potential

<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
Bird Rookery		GNR	SNR	N	N
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Conradina brevifolia</i>	Short-leaved Rosemary	G2Q	S2	LE	LE
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Egretta tricolor</i>	Tricolored Heron	G5	S4	N	LS
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Gymnopogon chapmanianus</i>	Chapman's Skeletongrass	G3	S3	N	N
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Lechea cernua</i>	Nodding Pinweed	G3	S3	N	LT
<i>Lechea divaricata</i>	Pine Pinweed	G2	S2	N	LE
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Neofiber alleni</i>	Round-tailed Muskrat	G3	S3	N	N
<i>Nolina atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<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>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S3	N	LE
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Schizachyrium niveum</i>	Scrub Bluestem	G1	S1	N	LE
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT

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<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*
Matrix Unit ID: 22973					
Likely					
<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Mesic flatwoods		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Sandhill		G3	S2	N	N
Sandhill upland lake		G3	S2	N	N
Scrub		G2	S2	N	N
Potential					
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
Bird Rookery		GNR	SNR	N	N
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Conradina brevifolia</i>	Short-leaved Rosemary	G2Q	S2	LE	LE
<i>Egretta tricolor</i>	Tricolored Heron	G5	S4	N	LS
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Gymnopogon chapmanianus</i>	Chapman's Skeletongrass	G3	S3	N	N
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Lechea cernua</i>	Nodding Pinweed	G3	S3	N	LT
<i>Lechea divaricata</i>	Pine Pinweed	G2	S2	N	LE
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Neofiber alleni</i>	Round-tailed Muskrat	G3	S3	N	N
<i>Nolina atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<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>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S3	N	LE
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Schizachyrium niveum</i>	Scrub Bluestem	G1	S1	N	LE
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*
<i>Warea carteri</i>	Carter's Warea	G3	S3	LE	LE

Matrix Unit ID: 23219

Likely

<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT

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Florida Natural Areas Inventory

Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Mesic flatwoods		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Sandhill		G3	S2	N	N
Scrub		G2	S2	N	N
Potential					
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Athene cucularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Conradina brevifolia</i>	Short-leaved Rosemary	G2Q	S2	LE	LE
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Gymnopogon chapmanianus</i>	Chapman's Skeletongrass	G3	S3	N	N
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Lechea cernua</i>	Nodding Pinweed	G3	S3	N	LT
<i>Lechea divaricata</i>	Pine Pinweed	G2	S2	N	LE
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Neofiber alleni</i>	Round-tailed Muskrat	G3	S3	N	N
<i>Nolina atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<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>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S3	N	LE
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Schizachyrium niveum</i>	Scrub Bluestem	G1	S1	N	LE
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*
<i>Zephyranthes simpsonii</i>	Rain Lily	G2G3	S2S3	N	LT

Matrix Unit ID: 23220

Likely

<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Mesic flatwoods		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Sandhill		G3	S2	N	N

Potential

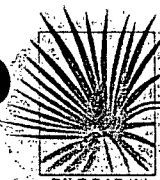
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Athene cucularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT

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Florida Natural Areas Inventory

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Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Gymnopogon chapmanianus</i>	Chapman's Skeletongrass	G3	S3	N	N
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Lechea cernua</i>	Nodding Pinweed	G3	S3	N	LT
<i>Lechea divaricata</i>	Pine Pinweed	G2	S2	N	LE
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Neofiber alleni</i>	Round-tailed Muskrat	G3	S3	N	N
<i>Nolina atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<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>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S3	N	LE
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Rostrhamus sociabilis plumbeus</i>	Snail Kite	G4G5T3Q	S2	LE	LE
<i>Schizachyrium niveum</i>	Scrub Bluestem	G1	S1	N	LE
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*
<i>Warea carteri</i>	Carter's Warea	G3	S3	LE	LE
<i>Zephyranthes simpsonii</i>	Rain Lily	G2G3	S2S3	N	LT

Matrix Unit ID: 23221

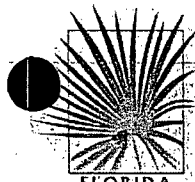
Likely

<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Mesic flatwoods		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE

Potential

<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Gymnopogon chapmanianus</i>	Chapman's Skeletongrass	G3	S3	N	N
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Lechea cernua</i>	Nodding Pinweed	G3	S3	N	LT
<i>Lechea divaricata</i>	Pine Pinweed	G2	S2	N	LE
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Neofiber alleni</i>	Round-tailed Muskrat	G3	S3	N	N
<i>Nolina atopocarpa</i>	Florida Beargrass	G3	S3	N	LT

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Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<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>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S3	N	LE
<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>Rostrhamus sociabilis plumbeus</i>	Snail Kite	G4G5T3Q	S2	LE	LE
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*
<i>Warea carteri</i>	Carter's Warea	G3	S3	LE	LE

Matrix Unit ID: 23469

Likely

<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Mesic flatwoods		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Scrub		G2	S2	N	N

Potential

<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Lechea cernua</i>	Nodding Pinweed	G3	S3	N	LT
<i>Lechea divaricata</i>	Pine Pinweed	G2	S2	N	LE
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Neofiber alleni</i>	Round-tailed Muskrat	G3	S3	N	N
<i>Nolina atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Picoides borealis</i>	Red-cockaded Woodpecker	G3	S2	LE	LS
<i>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S3	N	LE
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Rostrhamus sociabilis plumbeus</i>	Snail Kite	G4G5T3Q	S2	LE	LE
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*
<i>Zephyranthes simpsonii</i>	Rain Lily	G2G3	S2S3	N	LT

Matrix Unit ID: 23470

Documented

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<i>Apelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
Likely					
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Mesic flatwoods		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Sandhill upland lake		G3	S2	N	N
Scrub		G2	S2	N	N
Potential					
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Lechea cernua</i>	Nodding Pinweed	G3	S3	N	LT
<i>Lechea divaricata</i>	Pine Pinweed	G2	S2	N	LE
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	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 atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S3	N	LE
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Rostrhamus sociabilis plumbeus</i>	Snail Kite	G4G5T3Q	S2	LE	LE
<i>Schizachyrium niveum</i>	Scrub Bluestem	G1	S1	N	LE
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*

Matrix Unit ID: 23471

Documented

<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
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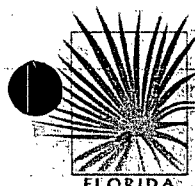
Likely

<i>Apelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Mesic flatwoods		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Sandhill		G3	S2	N	N
Scrub		G2	S2	N	N

Potential

<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
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<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Lechea cernua</i>	Nodding Pinweed	G3	S3	N	LT
<i>Lechea divaricata</i>	Pine Pinweed	G2	S2	N	LE
<i>Mustela frenata peninsulae</i>	Florida Long-tailed Weasel	G5T3	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 atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<i>Notophthalmus perstriatus</i>	Striped Newt	G2G3	S2S3	N	N
<i>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S3	N	LE
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Rostrhamus sociabilis plumbeus</i>	Snail Kite	G4G5T3Q	S2	LE	LE
<i>Schizachyrium niveum</i>	Scrub Bluestem	G1	S1	N	LE
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*

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Likely

<i>Apelocoma coerulescens</i>	Florida Scrub-jay	G2	S2	LT	LT
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
Mesic flatwoods		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Sandhill		G3	S2	N	N
Scrub		G2	S2	N	N

Potential

<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Lechea cernua</i>	Nodding Pinweed	G3	S3	N	LT
<i>Lechea divaricata</i>	Pine Pinweed	G2	S2	N	LE
<i>Mustela frenata peninsulae</i>	Florida Long-tailed Weasel	G5T3	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>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S3	N	LE
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Rostrhamus sociabilis plumbeus</i>	Snail Kite	G4G5T3Q	S2	LE	LE

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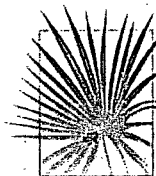
Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*
Matrix Unit ID: 23723					
Likely					
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Mesic flatwoods		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Sandhill		G3	S2	N	N
Scrub		G2	S2	N	N
Potential					
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	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>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Gymnopogon chapmanianus</i>	Chapman's Skeletongrass	G3	S3	N	N
<i>Heterodon simus</i>	Southern Hognose Snake	G2	S2	N	N
<i>Lechea cernua</i>	Nodding Pinweed	G3	S3	N	LT
<i>Lechea divaricata</i>	Pine Pinweed	G2	S2	N	LE
<i>Litsea aestivalis</i>	Pondspice	G3	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Neofiber alleni</i>	Round-tailed Muskrat	G3	S3	N	N
<i>Nolina atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<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>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S3	N	LE
<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>Rostrhamus sociabilis plumbeus</i>	Snail Kite	G4G5T3Q	S2	LE	LE
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*
<i>Warea carteri</i>	Carter's Warea	G3	S3	LE	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.



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FLORIDA Natural Areas INVENTORY

Element Occurrences

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

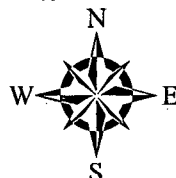
Conservation Lands

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

Land Acquisition Projects

- ▨ Florida Forever
- ▨ Board of Trustees Projects
- FNAI Rare Species Habitat
- ▨ FNAI Biodiversity Matrix Square Mile Units

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



NOTE
Map should not be interpreted without accompanying documents.

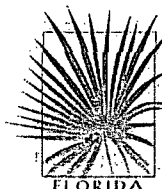
Lake Tarpon (Map 9 of 9)

Site boundaries are approximate.

Pasco, Pinellas, Hillsborough Counties



Map produced by LHH
Map Date: 16 APR 2008



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Florida Natural Areas Inventory

ELEMENT OCCURRENCES DOCUMENTED ON OR NEAR PROJECT SITE



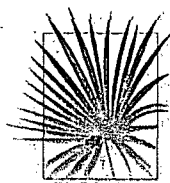
Map Label	Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing	Observation Date	Description	EO Comments
DRYMCUP*140	Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT	1965-	No general description given	INDIGO OBSERVED BY J. S. GODLEY OR MARTY MARTIN IN 1965 (MOLER INTERVIEW OF GODLEY & MARTIN, 1982-03-27).
PTERECRI*27	Pteroglossaspis ecristata	Giant Orchid	G2G3	S2	N	LT	1977-09-13	1977-09-13: Open area in sandhill community (Wunderlin).	1977-09-13: Only one flowering specimen seen; specimen taken [fl] (Wunderlin).
SCIUSHER*65	Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS	1991-04-13	PLANTED PINE PLANTATION (DBH APPROX. 10-12"); FLAT SANDY SOILS ADJACENT TO GOLF COURSE. OTHER ADJACENT HABITATS - STRAND SWAMP, UPLAND HARDWOOD FOREST, FARMLAND AND DEVELOPMENT.	1 ADULT FEEDING IN GRASS ROW AT EDGE OF PLANTED PINES.
GRUSPRAT*34	Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3	S2S3	N	LT	1990-04-28	GRASSY (MOWED) FIELDS WITH SCATTERED CYPRESS PONDS ON E SIDE OF RD. SOME OF THE PONDS HAVE BEEN CONVERTED TO RETENTION PONDS.	3 INDIVIDUALS SEEN, 2 ADULTS AND 1 CHICK. 1995: REPORT FROM RESIDENT SAYS NO HABITAT LEFT FOR BIRDS.
STILEXTE*31	Stilosoma extenuatum	Short-tailed Snake	G3	S3	N	LT	1947-08	No general description given	UF-2815, AUGUST 1947, B.W. COOPER.
NEOFALLE*22	Neofiber alleni	Round-tailed Muskrat	G3	S3	N	N	1962-04-20	No general description given	FSM SPECIMENS: FSM #07677 COLLECTED BY J. TAYLOR 1962-04-20.
EUDOALBU*164	Eudocimus albus	White Ibis	G5	S4	N	LS	1988-06-14	Buttonbush in shallow marsh, cypress.	1988/06/14: B.A. Millsap, GFC; HI-R-14 "Total" = D (includes GREG, CAEG, GBHE, LBHE, WHIB).
ARDEALBA*393	Ardea alba	Great Egret	G5	S4	N	N	1988-06-14	Buttonbush in shallow marsh, cypress.	1988/06/14: B.A. Millsap, GFC; HI-R-14 Total = D (includes GREG, CAEG, GBHE, LBHE, WHIB).
PODOFLOR*26	Podomys floridanus	Florida Mouse	G3	S3	N	LS	1968-03-02	1968-03-02: sand pine scrub (S68BROSFFLUS).	1968-03-02: USF specimen (adult male) collected by L.N. Brown (or student of) (S68BROSFFLUS).
ARDEALBA*497	Ardea alba	Great Egret	G5	S4	N	N	1988-06-14	Hole in cypress swamp.	1988/06/14: B.A. Millsap, GFC; PI-R-06 Cattle Egrets or immature Little Blue Herons? Total = B (includes GREG, LBHE).
EGRECAER*276	Egretta caerulea	Little Blue Heron	G5	S4	N	LS	1988-06-14	Buttonbush in shallow marsh, cypress.	1988/06/14: B.A. Millsap, GFC, observation. HI-R-14 "Total" = D (includes GREG, CAEG, GBHE, LBHE, WHIB).

Florida Natural Areas Inventory

ELEMENT OCCURRENCES DOCUMENTED ON OR NEAR PROJECT SITE



Map Label	Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing	Observation Date	Description	EO Comments
LECHCERN*152	Lechea cernua	Nodding Pinweed	G3	S3	N	LT	1960-08-12	1960-08-12: White sand scrub with sand pine, Osmanthus megacarpa, Ceratiola, and scrub oak (Ray, J.D.)(S60RAYSFFLUS).	1960-08-12: Flowering plant observed. Specimen taken (Ray, J.D.) (S60RAYSFFLUS).
EGRECAER*341	Egretta caerulea	Little Blue Heron	G5	S4	N	LS	1988-06-14	Hole in cypress swamp	1988/06/14: B.A. Millsap, GFC, observation. PI-R-06 Cattle Egrets or immature Little Blue Herons? "Total" = B (includes GREG, LBHE). 1988/06/15: K.J. McGowan, GFC, observation. Est. breeding pairs (=25). Nesting stages: Young flying/ready, nests abandoned
HALILEUC*1447	Haliaeetus leucocephalus	Bald Eagle	G5	S3	N	LT	2003	2005-07-12: Source does not provide a description.	Nest status: Active, 2003; Unknown status or not assessed, 2002, 2001, 2000, 1999;(U03FWC01FLUS)
HALILEUC*1437	Haliaeetus leucocephalus	Bald Eagle	G5	S3	N	LT	2003	2005-07-12: Source does not provide a description.	Nest status: Active, 2003, 2002, 2001, 2000, 1999;(U03FWC01FLUS)
HALILEUC*161	Haliaeetus leucocephalus	Bald Eagle	G5	S3	N	LT	2003	No general description given	Nest status 1995-2003: Continuously active. (U03FWC01FLUS). Previous data (note different format) NEST: 1974-1975, 1977-1982, 1984-1988 ACTIVE, 1976 INACTIVE, 1983 USED BY OWL. FLEDGED YOUNG 1977, 1979-1982, 1986-1988.
HALILEUC*516	Haliaeetus leucocephalus	Bald Eagle	G5	S3	N	LT	2003	No general description given	Nest status 1995-2003: Continuously active. (U03FWC01FLUS). Previous data (note different format) NEST: 1974-1988 ACTIVE. FLEDGED YOUNG 1977-1978, 1986 UNKNOWN.
HALILEUC*515	Haliaeetus leucocephalus	Bald Eagle	G5	S3	N	LT	1986	No general description given	Nest status 1999-2003: Unknown/not assessed - 2003, 2002, 2001, 2000, 1999; Status 1995-98: Unknown/not assessed - 1998, 1997, 1996, 1995; (U03FWC01FLUS). Previous data (note different format) NEST: 1975-1980, 1982-1986, 1988 ACTIVE, 1981 INACTIVE, 1987
HALILEUC*513	Haliaeetus leucocephalus	Bald Eagle	G5	S3	N	LT	2003	No general description given	Nest status 1995-2003: Continuously active. (U03FWC01FLUS). Previous data (note different format) NEST: 1986, 1988 ACTIVE, 1974-1980, 1982, 1987 INACTIVE. FLEDGED YOUNG 1986, 1988. NO DATA 1981.



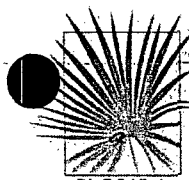
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Florida Natural Areas Inventory

ELEMENT OCCURRENCES DOCUMENTED ON OR NEAR PROJECT SITE



Map Label	Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing	Observation Date	Description	EO Comments
PODOFLOR*25	Podomys floridanus	Florida Mouse	G3	S3	N	LS	1973-01-30	No general description given	USF SPECIMEN (ADULT FEMALE) COLL. 30 JAN 1973 BY PHIL HASTINGS.
APHOAEGR*57_8	Aphodius aegrotus	Small Pocket Gopher Aphodius Beetle	GNR	S3?	N	N	1997-12-23	1997-12-23: No information given (U06SKE01FLUS).	1997-12-23: Two specimens were collected on 1997-12-23, most likely at light or in malt and dung-baited pitfall traps set in pocket gopher burrows (U06SKE01FLUS, A01SKE02FLUS).
APHOAEGR*57_9	Aphodius aegrotus	Small Pocket Gopher Aphodius Beetle	GNR	S3?	N	N	1998-01-30 -- 1998-0	1998-02-11: No information given (U06SKE01FLUS).	1998-02-11: Two specimens were collected from 1998-01-29 to 1998-02-11, most likely at light or in malt and dung-baited pitfall traps set in pocket gopher burrows (U06SKE01FLUS, A01SKE02FLUS).
APHOLAEV*71_7	Aphodius laevigatus	Large Pocket Gopher Aphodius Beetle	G3?	S3?	N	N	1998-01-20 -- 1998-1	1998-12-29: No information given (U06SKE01FLUS).	1998-12-29: Five specimens were collected from 1998-01-20 to 1998-12-29, most likely at light or in malt and dung-baited pitfall traps set in pocket gopher burrows (U06SKE01FLUS, A01SKE02FLUS).
APHOLAEV*71_8	Aphodius laevigatus	Large Pocket Gopher Aphodius Beetle	G3?	S3?	N	N	1997-12-23 -- 1998-0	1998-01-06: No information given (U06SKE01FLUS).	1998-01-06: A total of 25 specimens were collected from 1997-12-23 to 1998-01-06, most likely at light or in malt and dung-baited pitfall traps set in pocket gopher burrows (U06SKE01FLUS, A01SKE02FLUS).
APHOLAEV*71_9	Aphodius laevigatus	Large Pocket Gopher Aphodius Beetle	G3?	S3?	N	N	1998-01-30 -- 1998-0	1998-02-11: No information given (U06SKE01FLUS).	1998-02-11: A total of 106 specimens were collected from 1998-01-29 to 1998-02-11, most likely at light or in malt and dung-baited pitfall traps set in pocket gopher burrows (U06SKE01FLUS, A01SKE02FLUS).
APHOAEGR*57_0	Aphodius aegrotus	Small Pocket Gopher Aphodius Beetle	GNR	S3?	N	N	1998-01-30 -- 1998-0	This is a parent EO. Refer to individual sub-EOs for detailed information.	This is a parent EO for two sub-EOs. Refer to individual sub-EOs for detailed information.
APHOLAEV*71_0	Aphodius laevigatus	Large Pocket Gopher Aphodius Beetle	G3?	S3?	N	N	1998-01-20 -- 1998-1	This is a parent EO. Refer to individual sub-EOs for detailed information.	This is a parent EO for three sub-EOs. Refer to individual sub-EOs for detailed information.



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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: 22469					
Likely					
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Mesic flatwoods		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Potential					
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Eumops floridanus</i>	Florida bonneted bat	G1	S1	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Lechea cernua</i>	Nodding Pinweed	G3	S3	N	LT
<i>Linum carteri</i> var. <i>smallii</i>	Carter's Large-flowered Flax	G2T2	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Nolina atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<i>Panicum abscissum</i>	Cutthroat Grass	G3	S3	N	LE
<i>Picoides borealis</i>	Red-cockaded Woodpecker	G3	S2	LE	LS
<i>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S3	N	LE
<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>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*

Matrix Unit ID: 22470

Likely

<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Mesic flatwoods		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE

Potential

<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	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>Eumops floridanus</i>	Florida bonneted bat	G1	S1	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Lechea cernua</i>	Nodding Pinweed	G3	S3	N	LT
<i>Linum carteri</i> var. <i>smallii</i>	Carter's Large-flowered Flax	G2T2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Nolina atopocarpa</i>	Florida Beargrass	G3	S3	N	LT

Definitions: Documented - Rare species and natural communities documented on or near this site.
Documented-Historic - Rare species and natural communities documented, but not observed/reported within the last twenty years.
Likely - Rare species and natural communities likely to occur on this site based on suitable habitat and/or known occurrences in the vicinity.
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Florida Natural Areas Inventory

Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<i>Panicum abscissum</i>	Cutthroat Grass	G3	S3	N	LE
<i>Picoides borealis</i>	Red-cockaded Woodpecker	G3	S2	LE	LS
<i>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S3	N	LE
<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>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*

Matrix Unit ID: 22471

Likely

<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Mesic flatwoods		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE

Potential

<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Eumops floridanus</i>	Florida bonneted bat	G1	S1	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Lechea cernua</i>	Nodding Pinweed	G3	S3	N	LT
<i>Linum carteri</i> var. <i>smallii</i>	Carter's Large-flowered Flax	G2T2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	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 atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<i>Panicum abscissum</i>	Cutthroat Grass	G3	S3	N	LE
<i>Picoides borealis</i>	Red-cockaded Woodpecker	G3	S2	LE	LS
<i>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S3	N	LE
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*

Matrix Unit ID: 22472

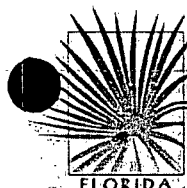
Likely

<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Mesic flatwoods		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE

Potential

<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT

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 Documented-Historic - Rare species and natural communities documented, but not observed/reported within the last twenty years.
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Florida Natural Areas Inventory

Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<i>Eumops floridanus</i>	Florida bonneted bat	G1	S1	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Lechea cernua</i>	Nodding Pinweed	G3	S3	N	LT
<i>Linum carteri</i> var. <i>smallii</i>	Carter's Large-flowered Flax	G2T2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	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 atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<i>Panicum abscissum</i>	Cutthroat Grass	G3	S3	N	LE
<i>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S3	N	LE
<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>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*

Matrix Unit ID: 22473

Likely

<i>Ardea alba</i>	Great Egret	G5	S4	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Egretta caerulea</i>	Little Blue Heron	G5	S4	N	LS
<i>Eudocimus albus</i>	White Ibis	G5	S4	N	LS
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
<i>Mesic flatwoods</i>		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE

Potential

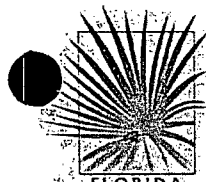
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Eumops floridanus</i>	Florida bonneted bat	G1	S1	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Lechea cernua</i>	Nodding Pinweed	G3	S3	N	LT
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	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 atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<i>Panicum abscissum</i>	Cutthroat Grass	G3	S3	N	LE
<i>Picoides borealis</i>	Red-cockaded Woodpecker	G3	S2	LE	LS
<i>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S3	N	LE
<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>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*

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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: 22474					
Likely					
<i>Ardea alba</i>	Great Egret	G5	S4	N	N
<i>Egretta caerulea</i>	Little Blue Heron	G5	S4	N	LS
<i>Eudocimus albus</i>	White Ibis	G5	S4	N	LS
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Mesic flatwoods		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Potential					
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	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>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Eumops floridanus</i>	Florida bonneted bat	G1	S1	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Gymnopogon chapmanianus</i>	Chapman's Skeletongrass	G3	S3	N	N
<i>Lechea cernua</i>	Nodding Pinweed	G3	S3	N	LT
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	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 atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<i>Panicum abscissum</i>	Cutthroat Grass	G3	S3	N	LE
<i>Picoides borealis</i>	Red-cockaded Woodpecker	G3	S2	LE	LS
<i>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S3	N	LE
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Pteroglossaspis ecrinata</i>	Giant Orchid	G2G3	S2	N	LT
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*

Matrix Unit ID: 22475

Documented

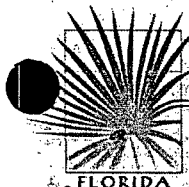
<i>Aphodius aegrotus</i>	Small Pocket Gopher Aphodius Beetle	GNR	S3?	N	N
<i>Aphodius laevigatus</i>	Large Pocket Gopher Aphodius Beetle	G3?	S3?	N	N
Likely					
<i>Ardea alba</i>	Great Egret	G5	S4	N	N
<i>Egretta caerulea</i>	Little Blue Heron	G5	S4	N	LS
<i>Eudocimus albus</i>	White Ibis	G5	S4	N	LS
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Mesic flatwoods		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE

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Florida Natural Areas Inventory Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Potential					
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Eumops floridanus</i>	Florida bonneted bat	G1	S1	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Gymnopogon chapmanianus</i>	Chapman's Skeletongrass	G3	S3	N	N
<i>Lechea cernua</i>	Nodding Pinweed	G3	S3	N	LT
<i>Mustela frenata peninsulae</i>	Florida Long-tailed Weasel	G5T3	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 atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<i>Panicum abscissum</i>	Cutthroat Grass	G3	S3	N	LE
<i>Picoides borealis</i>	Red-cockaded Woodpecker	G3	S2	LE	LS
<i>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S3	N	LE
<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>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*

Matrix Unit ID: 22476

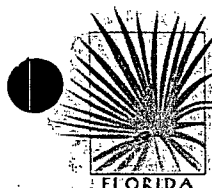
Likely

<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Mesic flatwoods		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Sandhill		G3	S2	N	N

Potential

<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Eumops floridanus</i>	Florida bonneted bat	G1	S1	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Gymnopogon chapmanianus</i>	Chapman's Skeletongrass	G3	S3	N	N
<i>Lechea cernua</i>	Nodding Pinweed	G3	S3	N	LT
<i>Mustela frenata peninsulae</i>	Florida Long-tailed Weasel	G5T3	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 atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<i>Panicum abscissum</i>	Cutthroat Grass	G3	S3	N	LE

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Florida Natural Areas Inventory

Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
<i>Picoides borealis</i>	Red-cockaded Woodpecker	G3	S2	LE	LS
<i>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S3	N	LE
<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>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*

Matrix Unit ID: 22477

Documented

<i>Haliaeetus leucocephalus</i>	Bald Eagle	G5	S3	N	LT
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Likely

<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Mesic flatwoods		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Sandhill		G3	S2	N	N

Potential

<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Eumops floridanus</i>	Florida bonneted bat	G1	S1	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Gymnopogon chapmanianus</i>	Chapman's Skeletongrass	G3	S3	N	N
<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>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Neofiber alleni</i>	Round-tailed Muskrat	G3	S3	N	N
<i>Nolina atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<i>Panicum abscissum</i>	Cutthroat Grass	G3	S3	N	LE
<i>Picoides borealis</i>	Red-cockaded Woodpecker	G3	S2	LE	LS
<i>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S3	N	LE
<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>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*

Matrix Unit ID: 22713

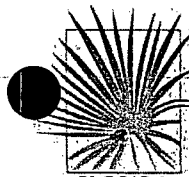
Likely

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Florida Natural Areas Inventory

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<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Mesic flatwoods		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Potential					
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	G3G4	S2	N	N
<i>Eumops floridanus</i>	Florida bonneted bat	G1	S1	N	LE
<i>Glandularia tampensis</i>	Tampa Vervain	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Lechea cernua</i>	Nodding Pinweed	G3	S3	N	LT
<i>Linum carteri</i> var. <i>smallii</i>	Carter's Large-flowered Flax	G2T2	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Nolina atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<i>Panicum abscissum</i>	Cutthroat Grass	G3	S3	N	LE
<i>Picoides borealis</i>	Red-cockaded Woodpecker	G3	S2	LE	LS
<i>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S3	N	LE
<i>Peromyscus 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>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*

Matrix Unit ID: 22714

Likely

<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Mesic flatwoods		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE

Potential

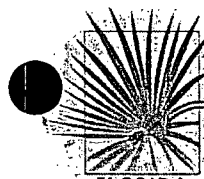
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Eumops floridanus</i>	Florida bonneted bat	G1	S1	N	LE
<i>Glandularia tampensis</i>	Tampa Vervain	G2	S2	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Lechea cernua</i>	Nodding Pinweed	G3	S3	N	LT
<i>Linum carteri</i> var. <i>smallii</i>	Carter's Large-flowered Flax	G2T2	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE

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Florida Natural Areas Inventory

Biodiversity Matrix Report



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<i>Neofiber alleni</i>	Round-tailed Muskrat	G3	S3	N	N
<i>Nolina atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<i>Panicum abscissum</i>	Cutthroat Grass	G3	S3	N	LE
<i>Picoides borealis</i>	Red-cockaded Woodpecker	G3	S2	LE	LS
<i>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S3	N	LE
<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>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*

Matrix Unit ID: 22715

Likely

<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Mesic flatwoods		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE

Potential

<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Eumops floridanus</i>	Florida bonneted bat	G1	S1	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Lechea cernua</i>	Nodding Pinweed	G3	S3	N	LT
<i>Linum carteri</i> var. <i>smallii</i>	Carter's Large-flowered Flax	G2T2	S2	N	LE
<i>Matelea floridana</i>	Florida Spiny-pod	G2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	S3	N	N
<i>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Neofiber alleni</i>	Round-tailed Muskrat	G3	S3	N	N
<i>Nolina atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<i>Panicum abscissum</i>	Cutthroat Grass	G3	S3	N	LE
<i>Picoides borealis</i>	Red-cockaded Woodpecker	G3	S2	LE	LS
<i>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S3	N	LE
<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>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*

Matrix Unit ID: 22716

Likely

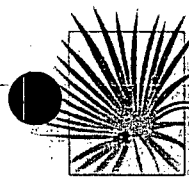
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Mesic flatwoods		G4	S4	N	N

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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
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE
Potential					
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Eumops floridanus</i>	Florida bonneted bat	G1	S1	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Lechea cernua</i>	Nodding Pinweed	G3	S3	N	LT
<i>Linum carteri</i> var. <i>smallii</i>	Carter's Large-flowered Flax	G2T2	S2	N	LE
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	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 atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<i>Panicum abscissum</i>	Cutthroat Grass	G3	S3	N	LE
<i>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S3	N	LE
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Pteroglossaspis ecrinata</i>	Giant Orchid	G2G3	S2	N	LT
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*

Matrix Unit ID: 22717

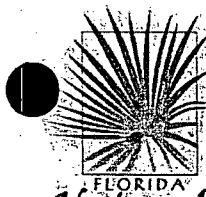
Likely

<i>Ardea alba</i>	Great Egret	G5	S4	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Egretta caerulea</i>	Little Blue Heron	G5	S4	N	LS
<i>Eudocimus albus</i>	White Ibis	G5	S4	N	LS
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Mesic flatwoods		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE

Potential

<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Eumops floridanus</i>	Florida bonneted bat	G1	S1	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Lechea cernua</i>	Nodding Pinweed	G3	S3	N	LT
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	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 atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<i>Panicum abscissum</i>	Cutthroat Grass	G3	S3	N	LE

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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>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S3	N	LE
<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>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*

Matrix Unit ID: 22718

Likely

<i>Ardea alba</i>	Great Egret	G5	S4	N	N
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Egretta caerulea</i>	Little Blue Heron	G5	S4	N	LS
<i>Eudocimus albus</i>	White Ibis	G5	S4	N	LS
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Mesic flatwoods		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE

Potential

<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Eumops floridanus</i>	Florida bonneted bat	G1	S1	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Gymnopogon chapmanianus</i>	Chapman's Skeletongrass	G3	S3	N	N
<i>Lechea cernua</i>	Nodding Pinweed	G3	S3	N	LT
<i>Mustela frenata peninsulæ</i>	Florida Long-tailed Weasel	G5T3	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 atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<i>Panicum abscissum</i>	Cutthroat Grass	G3	S3	N	LE
<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>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*

Matrix Unit ID: 22719

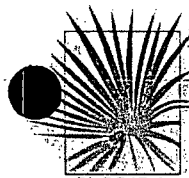
Documented

<i>Aphodius aegrotus</i>	Small Pocket Gopher Aphodius Beetle	GNR	S3?	N	N
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Likely

<i>Ardea alba</i>	Great Egret	G5	S4	N	N
<i>Egretta caerulea</i>	Little Blue Heron	G5	S4	N	LS
<i>Eudocimus albus</i>	White Ibis	G5	S4	N	LS
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE

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Florida Natural Areas Inventory

Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Potential					
<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Eumops floridanus</i>	Florida bonneted bat	G1	S1	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Gymnopogon chapmanianus</i>	Chapman's Skeletongrass	G3	S3	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>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Neofiber alleni</i>	Round-tailed Muskrat	G3	S3	N	N
<i>Nolina atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<i>Panicum abscissum</i>	Cutthroat Grass	G3	S3	N	LE
<i>Picoides borealis</i>	Red-cockaded Woodpecker	G3	S2	LE	LS
<i>Podomys floridanus</i>	Florida Mouse	G3	S3	N	LS
<i>Pteroglossaspis ecrinata</i>	Giant Orchid	G2G3	S2	N	LT
<i>Rana capito</i>	Gopher Frog	G3	S3	N	LS
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*

Matrix Unit ID: 22720

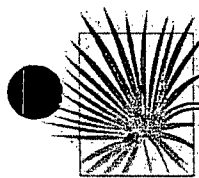
Likely

<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Mesic flatwoods		G4	S4	N	N
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE

Potential

<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Conradina brevifolia</i>	Short-leaved Rosemary	G2Q	S2	LE	LE
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Eumops floridanus</i>	Florida bonneted bat	G1	S1	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Gymnopogon chapmanianus</i>	Chapman's Skeletongrass	G3	S3	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>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Neofiber alleni</i>	Round-tailed Muskrat	G3	S3	N	N
<i>Nolina atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<i>Panicum abscissum</i>	Cutthroat Grass	G3	S3	N	LE

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Florida Natural Areas Inventory

Biodiversity Matrix Report



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<i>Picoides borealis</i>	Red-cockaded Woodpecker	G3	S2	LE	LS
<i>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S3	N	LE
<i>Peromyscus 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>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*

Matrix Unit ID: 22721

Likely

<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
<i>Mycteria americana</i>	Wood Stork	G4	S2	LE	LE

Potential

<i>Aimophila aestivalis</i>	Bachman's Sparrow	G3	S3	N	N
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	G4T3	S3	N	LS
<i>Calopogon multiflorus</i>	Many-flowered Grass-pink	G2G3	S2S3	N	LE
<i>Centrosema arenicola</i>	Sand Butterfly Pea	G2Q	S2	N	LE
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	G3	S3	N	LT
<i>Conradina brevifolia</i>	Short-leaved Rosemary	G2Q	S2	LE	LE
<i>Drymarchon couperi</i>	Eastern Indigo Snake	G3	S3	LT	LT
<i>Eumops floridanus</i>	Florida bonneted bat	G1	S1	N	LE
<i>Gopherus polyphemus</i>	Gopher Tortoise	G3	S3	N	LT
<i>Gymnopogon chapmanianus</i>	Chapman's Skeletongrass	G3	S3	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>Nemastylis floridana</i>	Celestial Lily	G2	S2	N	LE
<i>Neofiber alleni</i>	Round-tailed Muskrat	G3	S3	N	N
<i>Nolina atopocarpa</i>	Florida Beargrass	G3	S3	N	LT
<i>Panicum abscissum</i>	Cutthroat Grass	G3	S3	N	LE
<i>Picoides borealis</i>	Red-cockaded Woodpecker	G3	S2	LE	LS
<i>Platanthera integra</i>	Yellow Fringeless Orchid	G3G4	S3	N	LE
<i>Peromyscus 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>Sciurus niger shermani</i>	Sherman's Fox Squirrel	G5T3	S3	N	LS
<i>Stilosoma extenuatum</i>	Short-tailed Snake	G3	S3	N	LT
<i>Ursus americanus floridanus</i>	Florida Black Bear	G5T2	S2	N	LT*

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NMFS 2002 CRPP-0081

UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

September 19, 2002

Mr. Dale E. Young, Vice President
Crystal River Nuclear Plant (NA1B)
ATTN: Supervisor, Licensing & Regulatory Programs
15760 W. Power Line Street
Crystal River, Florida 34428-6708

SUBJECT: CRYSTAL RIVER UNIT 3 - SECTION 7 CONSULTATION UNDER THE
ENDANGERED SPECIES ACT REGARDING SEA TURTLES AT THE CRYSTAL
RIVER ENERGY COMPLEX (TAC NO. MB1562)

Dear Mr. Young:

Enclosed is a copy of the National Marine Fisheries Service's (NMFS's) Biological Opinion, which was issued August 8, 2002. This Opinion is a reinitiation of consultation subsequent to the June 1999 Opinion. The U.S. Nuclear Regulatory Commission formally requested reinitiation on April 2, 2001, because of a possibility that the Crystal River Energy Complex (CREC) would exceed the NMFS anticipated incidental take levels for live turtles established in the Incidental Take Statement of the June 1999 Opinion.

The August 8, 2002, Opinion states the NMFS belief that the continued operation of the cooling water intake system located near the Gulf of Mexico is not likely to jeopardize the continued existence of the five species of sea turtles found at CREC. However, it revises the Incidental Take Statement and modifies some of the Terms and Conditions of the previous Opinion. These should be evaluated for the potential need to revise the Crystal River Unit 3 Technical Specifications and plant procedures. If you have any questions following review of the document, please contact me at (301) 415-2020.

Sincerely,

A handwritten signature in cursive script that reads "Brenda Mozafari".

Brenda L. Mozafari, Senior Project Manager, Section 2
Project Directorate II
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket No. 50-302

Enclosure: NMFS Biological Opinion

cc w/o encl: J. Powers, NMFS

cc: See next page

CRPP-0001



UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL MARINE FISHERIES SERVICE
Southeast Regional Office
9721 Executive Center Drive North
St. Petersburg, FL 33702
(727) 570-5312; FAX 570-5517
<http://caldera.sero.nmfs.gov>

AUG 18 2002

F/SER3:BH:tg

Mr. Herbert N. Berkow, Director
Project Directorate II
Division of Licensing Project Management
Office of Nuclear Reactor Regulation
Nuclear Regulatory Commission
Washington, D.C. 20555-0001

50-302

Dear Mr. Berkow:

This document represents the National Marine Fisheries Service's (NOAA Fisheries) biological opinion (Opinion) based on your request for reinitiation of Endangered Species Act (ESA) section 7 consultation for the operation of the Crystal River Energy Complex's (CREC) cooling water intake system located near the Gulf of Mexico in Citrus County, Florida, and its effects on loggerhead turtles (*Caretta caretta*), Kemp's ridley turtles (*Lepidochelys kempii*), leatherback turtles (*Dermochelys coriacea*), hawksbill turtles (*Eretmochelys imbricata*), and green turtles (*Chelonia mydas*). This Opinion has been prepared in accordance with section 7(a)(2) of the Endangered Species Act (ESA) of 1973, as amended (16 U.S.C. 1536 *et seq.*). The NOAA Fisheries consultation number for this action is F/SER/2001/01080. If you have any questions about this consultation, please refer to this number.

This Opinion is based on information provided in a letter from the Nuclear Regulatory Commission (NRC) dated October 11, 2001, with an attached biological assessment; phone conversations and meetings between NOAA Fisheries staff, NRC staff, and CREC staff; published and unpublished scientific information on the biology and ecology of threatened and endangered turtles within the action area; and other sources of information. A complete administrative record of this consultation is on file at the NOAA Fisheries' Southeast Regional Office in St. Petersburg, Florida.

The Opinion states NOAA Fisheries' belief that the proposed action is not likely to jeopardize the continued existence of loggerhead, Kemp's ridley, green, hawksbill and leatherback sea turtles. However, NOAA Fisheries anticipates incidental takes of these species and has issued an Incidental Take Statement (ITS), pursuant to section 7 of the ESA. This ITS contains reasonable and prudent measures with implementing terms and conditions to help minimize this take.

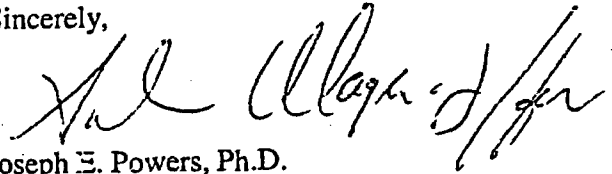
Incidental takes of marine mammals are not authorized. If the NRC believes such takes may occur, an incidental take authorization under Marine Mammal Protection Act, Section 101 (a)(5),



Per B. Mozafari

is necessary. In this regard, please contact Ken Hollingshead of our headquarters Protected Resources staff at (301) 713-2055.

Sincerely,

A handwritten signature in dark ink, appearing to read "Joe Powers", written over a horizontal line.

Joseph E. Powers, Ph.D.
Acting Regional Administrator

Enclosure

cc: F/PR3
o:\section7\formal\crys2002.wpd
File: 1514.22.m.3

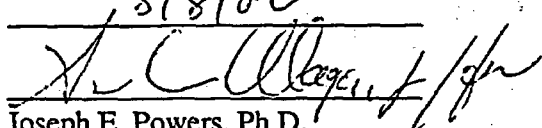
**Endangered Species Act - Section 7 Consultation
Biological Opinion**

Agency: United States Nuclear Regulatory Commission

Activity: Cooling water intake system at the Crystal River Energy Complex (F/SER/2001/01080)

Consultation Conducted By: National Marine Fisheries Service, Southeast Region

Date Issued: 8/8/01

Approved By: 
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This document represents the National Marine Fisheries Service's (NOAA Fisheries) biological opinion (Opinion) based on our review of the operation of the Crystal River Energy Complex's (CREC) cooling water intake system located near the Gulf of Mexico in Citrus County, Florida, and its effects on loggerhead turtles (*Caretta caretta*), Kemp's ridley turtles (*Lepidochelys kempii*), leatherback turtles (*Dermochelys coriacea*), hawksbill turtles (*Eretmochelys imbricata*), and green turtles (*Chelonia mydas*). This Opinion has been prepared in accordance with section 7(a)(2) of the Endangered Species Act (ESA) of 1973, as amended (16 U.S.C. 1536 *et seq.*). The NOAA Fisheries consultation number for this action is F/SER/2001/01080. If you have any questions about this consultation, please refer to this number.

History of the Consultation

In a letter dated April 2, 2001, the Nuclear Regulatory Commission (NRC) reinitiated ESA section 7 consultation for the operation of the CREC cooling water intake system. The NOAA Fisheries, Southeast Regional Office (SERO), Protected Resources Division received this letter on April 9, 2001. The NRC reinitiated consultation because it felt that CREC would exceed the incidental take levels for live turtles issued with the June 16, 1999, incidental take statement (ITS) that concluded the no jeopardy Opinion issued for the operation of CREC's cooling water intake system. In a letter dated April 9, 2001, NOAA Fisheries agreed that CREC would likely exceed its ITS levels and agreed that reinitiation of section 7 consultation was warranted.

NOAA Fisheries staff met with CREC and NRC staff at the CREC facility on May 9, 2001. During this meeting NOAA Fisheries staff requested an update of NRC's and CREC's October 1998 biological assessment (BA) in order to complete a formal section 7 consultation. NOAA

Fisheries received the updated BA on October 22, 2001, and considers this information to be a complete initiation package. This Opinion is based on information provided in the letter from the NRC dated October 11, 2001, with the attached BA; phone conversations and meetings between NOAA Fisheries staff, NRC staff, and CREC staff; published and unpublished scientific information on the biology and ecology of threatened and endangered turtles within the action area; and other sources of information. A complete administrative record of this consultation is on file at the NOAA Fisheries' Southeast Regional Office in St. Petersburg, Florida.

I. Description of the Proposed Action

The Proposed Action

The CREC contains five separate power plants. Unit 1 is an approximately 400 MW electric (MWe) coal-fueled plant. Unit 2 is an approximately 500 MWe coal-fueled plant. Unit 3 is an approximately 890 MWe pressurized water, nuclear-fueled plant. Units 4 and 5 are coal-fueled plants rated at approximately 640 MWe each. This consultation will analyze the cooling water intake systems for Units 1, 2, and 3.

The intake structures for Units 1, 2, and 3 are concrete structures with bar racks, traveling screens, and seawater pump components. Surface water trash barriers are deployed in front of the bar racks to collect large floating debris. Water is drawn from the intake canal through the bar racks, through the traveling screens, into the pumps, and then flows through the plant's condensers and auxiliary systems. The water is then discharged through an outfall into the discharge canal. The discharge canal directs water back to the Gulf of Mexico.

The intake bar racks prevent trash and large debris carried by the seawater from entering the intake structure. The seawater must pass through the bar racks which are made of steel bars spaced on 4-inch centers. The bar racks extend from well above the water line to the concrete base at the bottom of the intake canal. Debris and marine life smaller than the bar rack openings pass through the bar racks. The traveling screens effectively remove this floating or suspended debris from the intake water. Intake water passing through these screens suspends debris and solid materials onto the screens. The screens are conveyed upwards to an overlapping water spray system which washes these materials off the screens and into a debris trough. The traveling screen system is operated approximately three times a day.

Each of the three plants that use seawater for cooling have four large circulating pumps used to draw seawater into the plant. The water is then pumped through the condensers and out to the discharge canal. On Units 1 and 2, the total design flow is 638,000 gallons per minute (gpm). Unit 3 design flow is 680,000 gpm. In addition, Unit 3 has a low flow nuclear services water pumping system with a normal flow rate of approximately 10,000 gpm. Under emergency conditions, additional pumps would increase this flow up to approximately 20,000 gpm. From the discharge of the pumps, the water flows to the main condensers; and for Unit 3, an additional flow path exists for the nuclear services and decay heat cooling water heat exchangers. After the

seawater passes through the tubes of the condenser and/or heat exchangers, the seawater is transported in underground pipes to the discharge canal. The discharge canal directs the water back to the Gulf of Mexico.

The bar racks are inspected 24 hours a day during times of high turtle concentrations in the intake canal (February through May) and once every two hours during other times of the year. If a turtle is stranded on the bar racks, it is immediately recovered with dip nets. Healthy turtles are placed in a holding tank at the CREC Mariculture Center, where Mariculture Center Staff members determine the proper disposition of the turtle, in conjunction with Florida Fish and Wildlife Conservation Commission (FWC) personnel. Non-healthy turtles are also taken to the Mariculture Center with disposition to be determined by FWC. Dead turtles are sent to the Mariculture Center and picked up by FWC.

Action Area

The CREC is located on an approximate 5,000-acre site near the Gulf of Mexico in Citrus County, Florida. The Complex is approximately 7.5 miles northwest of the city of Crystal River, within the coastal salt marsh area of west central Florida. The action area consists of 3 of the 5 power plants (Plants 1, 2 and 3) that make up CREC, the 2.8-mile discharge canal, and the intake canal and intake structures, which includes the bar racks, traveling screens, and sea water pump components. The intake canal is a dredged canal approximately 14 miles long with an average depth of 20 feet (the area of the intake canal has a natural rock bottom starting under the initial layer of sand and sediment. The depth of the sand and sediment layer varies greatly in the area. The canal was dredged through the sand and sediment leaving a rock bottom that extends the length of the canal). The canal is bordered on both sides by land beginning from the plant site and extending 3 miles to the west. The canal then extends westward an additional 11 miles out into the Gulf of Mexico.

II. Status of the Species

The following endangered and threatened marine mammal, sea turtle, and marine plant species under the jurisdiction of NOAA Fisheries are known to occur in or near the action area:

<u>Common Name</u>	<u>Scientific Name</u>
<u>Endangered</u>	
Green sea turtle	<i>Chelonia mydas*</i>
Kemp's ridley sea turtle	<i>Lepidochelys kempii</i>
Hawksbill sea turtle	<i>Eretmochelys imbricata</i>
Leatherback sea turtle	<i>Dermochelys coriacea</i>
Right whale	<i>Eubalaena glacialis</i>
Humpback whale	<i>Megaptera novaeangliae</i>

Sperm whale

Physeter macrocephalus

Threatened

Loggerhead sea turtle

Caretta caretta

Gulf sturgeon

Acipenser oxyrinchus desotoi

Critical Habitat

There is no critical habitat in the action area.

** Green turtles in U.S. waters are listed as threatened except for the Florida breeding population, which is listed as endangered. Due to the inability to distinguish between the populations away from the nesting beaches, green turtles are considered endangered wherever they occur in U.S. waters.*

Sperm whales (*Physeter macrocephalus*), occur in the Gulf of Mexico but are rare in state waters. Other endangered whales, including North Atlantic right whales (*Eubalaena glacialis*) and humpback whales (*Megaptera novaengliae*), have been observed occasionally in the Gulf of Mexico. The individuals observed have likely been inexperienced juveniles straying from the normal range of these stocks. NOAA Fisheries does not believe that there are resident stocks of these species in the Gulf of Mexico; therefore, these species are not likely to be adversely affected by projects in the Gulf. Based on this information, NOAA Fisheries believes that the chance of the proposed action affecting listed species of large whales is discountable.

Although the Gulf sturgeon's migratory habits are not well known, NOAA Fisheries believes it is unlikely that Gulf sturgeon will stray from mud and sand bottom marine foraging areas in the Gulf to enter the rocky bottomed intake canal of the CREC and subsequently be affected by the cooling water intake system. Studies conducted by CREC from 1980 to 1983, to determine the species of fish and invertebrates affected by the cooling water system, showed no evidence of Gulf sturgeon. Based on this information, NOAA Fisheries believes that the chance of the proposed action adversely affecting Gulf sturgeon is discountable. Therefore, the remainder of the analysis in this Opinion will focus on the five species of sea turtles in or near the action area.

A. Species/critical habitat description

Loggerhead Sea Turtle

The loggerhead sea turtle was listed as a threatened species in 1978. This species inhabits the continental shelves and estuarine environments along the margins of the Atlantic, Pacific, and Indian oceans, and within the continental United States it nests from Louisiana to Virginia. The major nesting areas include coastal islands of Georgia, South Carolina, and North Carolina, and the Atlantic and Gulf coasts of Florida, with the bulk of the nesting occurring on the Atlantic

coast of Florida. Developmental habitat for small juveniles are the pelagic waters of the North Atlantic and the Mediterranean Sea.

There is no critical habitat designated for the loggerhead sea turtle.

Green Sea Turtle

Federal listing of the green sea turtle occurred on July 28, 1978, with all populations listed as threatened except for the Florida and Pacific coast of Mexico breeding populations which are endangered. The complete nesting range of the green turtle within the NOAA Fisheries' Southeast Region includes sandy beaches of mainland shores, barrier islands, coral islands, and volcanic islands between Texas and North Carolina and at the U.S. Virgin Islands (U.S.V.I.) and Puerto Rico (NOAA Fisheries and USFWS 1991a). Principal U.S. nesting areas for green turtles are in eastern Florida, predominantly Brevard through Broward counties (Ehrhart and Witherington 1992). Regular green turtle nesting also occurs on St Croix, U.S.V.I., and on Vieques, Culebra, Mona, and the main island of Puerto Rico (Mackay and Rebholz 1996, Díez pers. comm.).

Critical habitat for the green sea turtle has been designated for the waters surrounding Isla Culebra, Puerto Rico, and its associated keys.

Kemp's Ridley Sea Turtle

The Kemp's ridley was listed as endangered on December 2, 1970. Internationally, the Kemp's ridley is considered the most endangered sea turtle (Zwinenberg 1977, Groombridge 1982). Kemp's ridleys nest in daytime aggregations known as arribadas, primarily at Rancho Nuevo, a stretch of beach in Mexico, Tamaulipas State. The species occurs mainly in coastal areas of the Gulf of Mexico and the northwestern Atlantic Ocean. Occasional individuals reach European waters (Brongersma 1972). Adults of this species are usually confined to the Gulf of Mexico, although adult-sized individuals sometimes are found on the Eastern Seaboard of the United States.

There is no designated critical habitat for the Kemp's ridley sea turtle.

Leatherback Sea Turtle

The leatherback was listed as endangered on June 2, 1970. Leatherbacks are widely distributed throughout the oceans of the world, and are found in waters of the Atlantic, Pacific, and Indian oceans; the Caribbean Sea; and the Gulf of Mexico (Ernst and Barbour 1972). Adult leatherbacks forage in temperate and subpolar regions from 71°N to 47°S latitude in all oceans and undergo extensive migrations between 90°N and 20°S, to and from the tropical nesting beaches. In the Atlantic Ocean, leatherbacks have been recorded as far north as Newfoundland, Canada, and Norway, and as far south as Uruguay, Argentina, and South Africa (see NOAA

Fisheries, SEFSC 2001). Female leatherbacks nest from the southeastern United States to southern Brazil in the western Atlantic and from Mauritania to Angola in the eastern Atlantic. The most significant nesting beaches in the Atlantic, and perhaps in the world, are in French Guiana and Suriname (see NOAA Fisheries, SEFSC 2001).

Critical habitat for the leatherback includes the waters adjacent to Sandy Point, St. Croix, U.S.V.I.

Hawksbill Sea Turtles

The hawksbill turtle is listed as endangered under the ESA, and is considered Critically Endangered by the International Union for the Conservation of Nature (IUCN) based on global population declines of over 80% during the last three generations (105 years) (Meylan and Donnelly 1999). Only five regional nesting populations remain with more than 1,000 females nesting annually (Seychelles, Mexico, Indonesia, and two in Australia) (Meylan and Donnelly 1999). Most populations are declining, depleted, or remnants of larger aggregations. Although hawksbills are subject to the suite of threats that affect other marine turtles, the decline of the species is primarily attributed to centuries of exploitation for tortoiseshell, the beautifully patterned scales that cover the turtle's shell (Parsons 1972).

Critical habitat for the hawksbill includes the waters around Mona and Monito Islands, Puerto Rico.

B. Life history

Loggerhead Sea Turtle

Mating takes place in late March-early June, and eggs are laid throughout the summer, with a mean clutch size of 100-126 eggs in the southeastern United States. Individual females nest multiple times during a nesting season, with a mean of 4.1 nests/nesting individual (Murphy and Hopkins 1984). Nesting migrations for an individual female loggerhead are usually on an interval of 2-3 years, but can vary from 1-7 years (Dodd 1988). Loggerhead sea turtles originating from the western Atlantic nesting aggregations are believed to lead a pelagic existence in the North Atlantic Gyre for as long as 7-12 years or more, but there is some variation in habitat use by individuals at all life stages. Turtles in this life history stage are called "pelagic immatures." Stranding records indicate that when pelagic immature loggerheads reach 40-60 cm straight-line carapace length they begin to recruit to coastal inshore and nearshore waters of the continental shelf throughout the U.S. Atlantic and Gulf of Mexico.

Benthic immature loggerheads, the life stage following the pelagic immature stage, have been found from Cape Cod, Massachusetts, to southern Texas, and occasionally strand on beaches in northeastern Mexico. Large benthic immature loggerheads (70-91 cm) represent a larger proportion of the strandings and in-water captures (Schroeder et al. 1998) along the south and

western coasts of Florida as compared with the rest of the coast, which could indicate that the larger animals are either more abundant in these areas or just more abundant within the area relative to the smaller turtles. Benthic immature loggerheads foraging in northeastern U.S. waters are known to migrate southward in the fall as water temperatures cool (Epperly et al. 1995b, Keinath 1993, Morreale and Standora 1999, Shoop and Kenney 1992), and migrate northward in spring. Past literature gave an estimated age at maturity of 21-35 years (Frazer and Ehrhart 1985, Frazer et al. 1994) and the benthic immature stage as lasting at least 10-25 years. However, NOAA Fisheries, SEFSC (2001) reviewed the literature and constructed growth curves from new data, estimating ages of maturity ranging from 20-38 years and benthic immature stage lengths from 14-32 years.

Juveniles are omnivorous and forage on crabs, mollusks, jellyfish, and vegetation at or near the surface (Dodd 1988). Sub-adult and adult loggerheads are primarily coastal and typically prey on benthic invertebrates such as mollusks and decapod crustaceans in hard bottom habitats.

Green Sea Turtle

Green sea turtle mating occurs in the waters off the nesting beaches. Each female deposits 1-7 clutches (usually 2-3) during the breeding season at 12-14 day intervals. Mean clutch size is highly variable among populations, but averages 110-115. Females usually have 2-4 or more years between breeding seasons, while males may mate every year (Balazs 1983). After hatching, green sea turtles go through a post-hatchling pelagic stage where they are associated with drift lines of algae and other debris

Green turtle foraging areas in the southeast United States include any neritic waters having macroalgae or sea grasses near mainland coastlines, islands, reefs, or shelves, and any open-ocean surface waters, especially where advection from wind and currents concentrates pelagic organisms (Hirth 1997, NOAA Fisheries and USFWS 1991). Principal benthic foraging areas in the region include Aransas Bay, Matagorda Bay, Laguna Madre, and the Gulf inlets of Texas (Doughty 1984, Hildebrand 1982, Shaver 1994), the Gulf of Mexico off Florida from Yankeetown to Tarpon Springs (Caldwell and Carr 1957, Carr 1984), Florida Bay and the Florida Keys (Schroeder and Foley 1995), the Indian River Lagoon System, Florida (Ehrhart 1983), and the Atlantic Ocean off Florida from Brevard through Broward counties (Wershoven and Wershoven 1992, Guseman and Ehrhart 1992). Adults of both sexes are presumed to migrate between nesting and foraging habitats along corridors adjacent to coastlines and reefs. Age at sexual maturity is estimated to be between 20 to 50 years (Balazs 1982, Frazer and Ehrhart 1985).

Green sea turtles are primarily herbivorous, feeding on algae and sea grasses, but also occasionally consume jellyfish and sponges. The post-hatchling, pelagic-stage individuals are assumed to be omnivorous, but little data are available.

Kemp's Ridley Sea Turtle

Remigration of females to the nesting beach varies from annually to every 4 years, with a mean of 2 years (TEWG 1998). Nesting occurs from April into July and is essentially limited to the beaches of the western Gulf of Mexico, near Rancho Nuevo in southern Tamaulipas, Mexico. The mean clutch size for Kemp's ridleys is 100 eggs/nest, with an average of 2.5 nests/female/season.

Juvenile/subadult Kemp's ridleys have been found along the Eastern Seaboard of the United States and in the Gulf of Mexico. Atlantic juveniles/subadults travel northward with vernal warming to feed in the productive, coastal waters of Georgia through New England, returning southward with the onset of winter to escape the cold (Lutcavage and Musick 1985, Henwood and Ogren 1987, Ogren 1989). In the Gulf, juvenile/subadult ridleys occupy shallow, coastal regions. Ogren (1989) suggested that in the northern Gulf they move offshore to deeper, warmer water during winter. Studies suggest that subadult Kemp's ridleys stay in shallow, warm, nearshore waters in the northern Gulf of Mexico until cooling waters force them offshore or south along the Florida coast (Rensaud 1995). Little is known of the movements of the post-hatching, planktonic stage within the Gulf. Studies have shown the post-hatchling pelagic stage varies from 1-4 or more years, and the benthic immature stage lasts 7-9 years (Schmid and Witzell 1997). The Turtle Expert Working Group (1998) (TEWG) estimates age at maturity to range from 7-15 years.

Stomach contents of Kemp's ridleys along the lower Texas coast consisted of a predominance of nearshore crabs and mollusks, as well as fish, shrimp and other foods considered to be shrimp fishery discards (Shaver 1991). Pelagic stage, neonatal Kemp's ridleys presumably feed on the available Sargassum and associated infauna or other epipelagic species found in the Gulf of Mexico.

Leatherback Sea Turtle

Female leatherbacks nest from the southeastern United States to southern Brazil in the western Atlantic and from Mauritania to Angola in the eastern Atlantic, with nesting occurring as early as late February or March. When they leave the nesting beaches, leatherbacks move offshore but eventually utilize both coastal and pelagic waters. Very little is known about the pelagic habits of the hatchlings and juveniles, and they have not been documented to be associated with the Sargassum areas as are other species. Leatherbacks are deep divers, with recorded dives to depths in excess of 1,000 m (Eckert et al. 1989), but they may come into shallow waters if there is an abundance of jellyfish nearshore.

Although leatherbacks are a long-lived species (> 30 years), they are somewhat faster to mature than loggerheads. Leatherbacks have an estimated age at sexual maturity reported of about 13-14 years for females, with 9 years reported as a likely minimum (Zug 1996) and 19 years as a likely maximum (NOAA Fisheries, SEFSC 2001). They nest frequently (up to 7 nests per year) during

a nesting season and nest about every 2-3 years. During each nesting, they produce 100 eggs or more in each clutch and, thus, can produce 700 eggs or more per nesting season (Schultz 1975).

Leatherback sea turtles feed primarily on jellyfish as well as cnidarians and tunicates. They are also the most pelagic of the turtles, but have been known to enter coastal waters on a seasonal basis to feed in areas where jellyfish are concentrated.

Hawksbill Sea Turtles

The life history of hawksbills consists of a pelagic stage that lasts from the time they leave the nesting beach as hatchlings until they are approximately 22-25 cm in straight carapace length (Meylan 1988, Meylan in prep.), followed by residency in developmental habitats (foraging areas where immatures reside and grow) in coastal waters. Adult foraging habitat, which may or may not overlap with developmental habitat, is typically coral reefs, although other hard-bottom communities and occasionally mangrove-fringed bays may be occupied. Hawksbills show fidelity to their foraging areas over periods of time as great as several years (van Dam and Díez 1998).

Hawksbills may undertake developmental migrations (migrations as immatures) and reproductive migrations that involve travel over hundreds or thousands of kilometers (Meylan 1999b). Reproductive females undertake periodic (usually non-annual) migrations to their natal beach to nest. Movements of reproductive males are less well known, but are presumed to involve migrations to the nesting beach or to courtship stations along the migratory corridor. Females nest an average of 3-5 times per season with some geographic variation in this parameter (see references on pp. 204-205, Meylan and Donnelly 1999; Richardson et al. 1999). Clutch size is higher on average (up to 250 eggs) than that of green turtles (Hirth 1980). Reproductive females may exhibit a high degree of fidelity to their nest sites. This, plus the tendency of hawksbills to nest at regular intervals within a season, make them vulnerable to capture on the nesting beach.

C. Population dynamics, status, and distribution

Loggerhead Sea Turtle

Loggerhead sea turtles occur throughout the temperate and tropical regions of the Atlantic, Pacific, and Indian oceans and are the most abundant species of sea turtle occurring in U.S. waters. Loggerhead sea turtles concentrate their nesting in the north and south temperate zones and subtropics, but generally avoid nesting in tropical areas of Central America, northern South America, and the Old World (Magnuson et al. 1990).

In the western Atlantic, most loggerhead sea turtles nest from North Carolina to Florida and along the Gulf coast of Florida. There are five western Atlantic subpopulations, divided geographically as follows: (1) a northern nesting subpopulation, occurring from North Carolina to northeast Florida at about 29° N (approximately 7,500 nests in 1998); (2) a south Florida

nesting subpopulation, occurring from 29° N on the east coast to Sarasota on the west coast (approximately 83,400 nests in 1998); (3) a Florida Panhandle nesting subpopulation, occurring at Eglin Air Force Base and the beaches near Panama City, Florida (approximately 1,200 nests in 1998); (4) a Yucatán nesting subpopulation, occurring on the eastern Yucatán Peninsula, Mexico (Márquez 1990) (approximately 1,000 nests in 1998) (TEWG 2000); and (5) a Dry Tortugas nesting subpopulation, occurring in the islands of the Dry Tortugas, near Key West, Florida (approximately 200 nests per year) (NOAA Fisheries, SEFSC 2001). Natal homing of females to the nesting beach provides the barrier between these subpopulations, preventing recolonization with turtles from other nesting beaches.

Based on the data available, it is difficult to estimate the size of the loggerhead sea turtle population in the United States or its territorial waters. There is, however, general agreement that the number of nesting females provides a useful index of the species' population size and stability at this life stage. Nesting data collected on index nesting beaches in the United States from 1989-1998 represent the best data set available to index the population size of loggerhead sea turtles. However, an important caveat for population trends analysis based on nesting beach data is that this may reflect trends in adult nesting females but not reflect overall population growth rates. Given this caveat, between 1989 and 1998, the total number of nests laid along the U.S. Atlantic and Gulf coasts ranged from 53,014 to 92,182 annually, with a mean of 73,751. On average, 90.7% of these nests were from the south Florida subpopulation, 8.5% were from the northern subpopulation, and 0.8% were from the Florida Panhandle nest sites. There is limited nesting throughout the Gulf of Mexico west of Florida, but it is not known to which subpopulation the turtles making these nests belong.

The number of nests in the northern subpopulation from 1989 to 1998 was 4,370 to 7,887, with a 10-year mean of 6,247 nests. With each female producing an average of 4.1 nests in a nesting season, the average number of nesting females per year in the northern subpopulation was 1,524. The total nesting and non-nesting adult female population is estimated as 3,810 adult females in the northern subpopulation (TEWG 1998, 2000). The northern population, based on number of nests, has been classified as stable or declining (TEWG 2000). Another consideration adding to the vulnerability of the northern subpopulation is that NOAA Fisheries' scientists estimate that the northern subpopulation produces 65% males, while the south Florida subpopulation is estimated to produce 80% females (NOAA Fisheries, SEFSC 2001).

The southeastern U.S. nesting aggregation is of great importance on a global scale and is second in size only to the nesting aggregation on islands in the Arabian Sea off Oman (Ross 1979, Ehrhart 1989, NOAA Fisheries and USFWS 1991b). The global importance of the southeast U.S. nesting aggregation is especially significant because the status of the Oman colony has not been evaluated recently, but it is located in an area of the world where it is highly vulnerable to disruptive events such as political upheavals, wars, catastrophic oil spills, and lack of strong protections (Meylan et al. 1995).

Ongoing threats to the western Atlantic populations include incidental takes from dredging, commercial trawling, longline fisheries, and gillnet fisheries; loss or degradation of nesting habitat from coastal development and beach armoring; disorientation of hatchlings by beachfront lighting; nest predation by native and non-native predators; degradation of foraging habitat; marine pollution and debris; watercraft strikes; and disease.

Green Sea Turtle

The vast majority of green turtle nesting within the southeast United States occurs in Florida. In Florida from 1989-1999, green turtle abundance from nest counts ranges from 109-1,389 nesting females per year (Meylan et al. 1995 and Florida Marine Research Institute Statewide Nesting 2001 Database, unpublished data; estimates assume 4 nests per female per year, Johnson and Ehrhart 1994). High biennial variation and a predominant 2-year re-migration interval (Witherington and Ehrhart 1989, Johnson and Ehrhart 1994) warrant combining even and odd years into 2-year cohorts. This gives an estimate of total nesting females that ranges from 705-1,509 during the period 1990-1999. It is important to note that because methodological limitations make the clutch frequency number (4 nests/female/year) an underestimate (by as great as 50%), a more conservative estimate is 470-1,509 nesting females in Florida between 1990 and 1999. In Florida during the period 1989-1999, numbers of green turtle nests by year show no trend. However, odd-even year cohorts of nests do show a significant increase during the period 1990-1999 (Florida Marine Research Institute, 2001 Index Nesting Beach Survey Database).

It is unclear how greatly green turtle nesting in the whole of Florida has been reduced from historical levels (Dodd 1981), although one account indicates that nesting in Florida's Dry Tortugas may now be only a small fraction of what it once was (Audubon 1926). Total nest counts and trends at index beach sites during the past decade suggest that green turtles that nest within the southeast United States are recovering and have only recently reached a level of approximately 1,000 nesting females. There are no reliable estimates of the number of green turtles inhabiting foraging areas within the southeast United States, and it is likely that green turtles foraging in the region come from multiple genetic stocks. These trends are also uncertain because of a lack of data. However, there is one sampling area in the region with a large time series of constant turtle-capture effort that may represent trends for a limited area within the region. This sampling area is at an intake canal for a power plant on the Atlantic coast of Florida where 2,578 green turtles have been captured during the period 1977-1999 (FPL 2000). At the power plant, the annual number of immature green turtle captures (minimum straight-line carapace length < 85 cm) has increased significantly during the 23-year period.

Status of immature green turtles foraging in the southeast United States might also be assessed from trends at nesting beaches where many of the turtles originated, principally, Florida, Yucatán, and Tortuguero. Trends at Florida beaches are presented above. Trends in nesting at Yucatán beaches cannot be assessed because of irregularity in beach survey methods over time. Trends at Tortuguero (ca. 20,000-50,000 nests/year) show a significant increase in nesting during the period 1971-1996 (Bjorndal et al. 1999).

The principal cause of past declines and extirpations of green turtle assemblages has been the over-exploitation of green turtles for food and other products. Although intentional take of green turtles and their eggs is not extensive within the southeast United States, green turtles that nest and forage in the region may spend large portions of their life history outside the region and outside United States' jurisdiction, where exploitation is still a threat. Adult green turtles and immatures are exploited heavily on foraging grounds off Nicaragua and to a lesser extent off Colombia, Mexico, Panama, Venezuela, and the Tortuguero nesting beach (Carr et al. 1978, Nietschmann 1982, Bass et al. 1998, Lagueux 1998).

There are significant and ongoing threats to green turtles from human-related causes. Threats to nesting beaches in the region include beach armoring, erosion control, artificial lighting, and disturbance, which can be expected to increase with time. Pollution is known to have both direct (ingestion of foreign materials such as tar balls and plastics) and indirect (degradation of foraging grounds) impacts on green sea turtles. Foraging habitat loss also occurs as a result of direct destruction by dredging, siltation, boat damage, and other human activities. Green turtles are often captured and occasionally killed by interactions with fishing gear. Collisions with power boats and encounters with suction dredges have killed green turtles along the U.S. coast and may be common elsewhere where boating and dredging activities are frequent (Florida Marine Research Institute, Sea Turtle Stranding and Salvage Network Database). Threats from increasing incidences of disease, which may or may not have some relation to human influences, are also a concern. The occurrence of green turtle fibropapillomatosis disease was originally reported in the 1930s, when it was thought to be rare (Smith and Coates 1938). Presently, this disease is cosmopolitan and has been found to affect large numbers of animals in some areas, including Hawaii and Florida (Herbst 1994, Jacobson 1990, Jacobson et al. 1991).

Kemp's Ridley Sea Turtle

L. kempii has a very restricted distribution relative to the other sea turtle species. Data suggests that adult Kemp's ridley turtles are restricted somewhat to the Gulf of Mexico in shallow near shore waters, and benthic immature turtles of 20-60 cm straight line carapace length are found in nearshore coastal waters including estuaries of the Gulf of Mexico and the Atlantic, although adult-sized individuals sometimes are found on the Eastern Seaboard of the United States. The post-pelagic stages are commonly found dwelling over crab-rich sandy or muddy bottoms. Juveniles frequent bays, coastal lagoons, and river mouths.

Of the seven extant species of sea turtles in the world, the Kemp's ridley has declined to the lowest population level. Most of the population of adult females nest on the Rancho Nuevo beaches (Pritchard 1969). When nesting aggregations at Rancho Nuevo were discovered in 1947, adult female populations were estimated to be in excess of 40,000 individuals (Hildebrand 1963). By the early 1970s, the world population estimate of mature female Kemp's ridleys had been reduced to 2,500-5,000 individuals. The population declined further through the mid-1980s. Recent observations of increased nesting suggest that the decline in the ridley population has stopped and the population is now increasing.

The TEWG (1998) identified three population trends in benthic immature ridleys. Benthic immatures are not yet reproductively mature but have recruited to feed in the nearshore benthic environment, where they are exposed to nearshore mortality sources that often result in strandings. Increased production of hatchlings from the nesting beach beginning in 1966 resulted in an increase in benthic ridleys that leveled off in the late 1970s. A second period of increase followed by leveling occurred between 1978 and 1989 as hatchling production was further enhanced by the cooperative program between the U.S. Fish and Wildlife Service and Mexico's Instituto Nacional de Pesca to increase the nest protection and relocation program in 1978. A third period of steady increase, which has not leveled off to date, has occurred since 1990 and appears to be due to the greatly increased hatchling production and an apparent increase in survival rates of immature turtles beginning in 1990, due in part to the introduction of turtle excluder devices (TEDs) in the U.S. and Mexican shrimping fleets. Adult ridley numbers have now grown, as shown in nesting increases at the main nesting sites in Mexico. Nesting at Tamaulipas and Veracruz increased from a low of 702 nests in 1985, to 1,930 nests in 1995, to 6,277 nests in 2000 (USFWS 2000). The population model used by the TEWG (1998) projected that Kemp's ridleys could reach the intermediate recovery goal identified in the Recovery Plan, of 10,000 nesters by the year 2020 if the assumptions of age to sexual maturity and age specific survivorship rates used in their model are correct.

The largest contributor to the decline of the ridley in the past was commercial and local exploitation, especially poaching of nests at the Rancho Nuevo site, as well as the Gulf of Mexico trawl fisheries. The advent of TED regulations for trawlers and protections for the nesting beaches have allowed the species to begin to rebound. Many threats to the future of the species remain, including interactions with fishery gear, marine pollution, foraging habitat destruction, illegal poaching of nests and potential threats to the nesting beaches from such sources as global climate change, development, and tourism pressures.

Leatherback Sea Turtle

Leatherbacks are widely distributed throughout the oceans of the world, and are found in waters of the Atlantic, Pacific, Caribbean, and the Gulf of Mexico (Ernst and Barbour 1972). The leatherback is the largest living turtle and it ranges farther than any other sea turtle species, exhibiting broad thermal tolerances (NOAA Fisheries and USFWS 1995). Genetic analyses of leatherbacks to date indicate that within the Atlantic basin significant genetic differences occur among St. Croix (U.S.V.I.) and mainland Caribbean populations (Florida, Costa Rica, Suriname/French Guiana), and between Trinidad and the mainland Caribbean populations (Dutton et al. 1999), leading to the conclusion that there are at least three separate subpopulations of leatherbacks in the Atlantic.

Nest counts are the only reliable population information available for leatherback turtles. Recent declines have been seen in the number of leatherbacks nesting worldwide (NOAA Fisheries and USFWS 1995). A population estimate of 34,500 females (26,200-42,900) was made by Spotila

et al. (1996), who stated that the species as a whole was declining and local populations were in danger of extinction. Historically, decline was due primarily to intense exploitation of the eggs (Ross 1979), but adult mortality has increased significantly from interactions with fishery gear (Spotila et al. 1996). The Pacific population is in a critical state of decline, now estimated to number less than 3,000 total adult and subadult animals (Spotila et al. 2000). The status of the Atlantic population is less clear. In 1996, it was reported to be stable, at best (Spotila et al. 1996), but numbers in the western Atlantic at that time were reported to be on the order of 18,800 nesting females. According to Spotila (pers. comm.), the western Atlantic population currently numbers about 15,000 nesting females, whereas current estimates for the Caribbean (4,000) and the eastern Atlantic, off Africa, (numbering ca. 4,700) have remained consistent with numbers reported by Spotila et al. in 1996.¹

The nesting aggregation in French Guiana has been declining at about 15% per year since 1987. From 1979-1986, the number of nests was increasing at about 15% annually. The number of nests in Florida and the U.S. Caribbean has been increasing at about 10.3% and 7.5%, respectively, per year since the early 1980s but the magnitude of nesting is much smaller than that along the French Guiana coast (see NOAA Fisheries SEFSC 2001). In summary, the conflicting information regarding the status of Atlantic leatherbacks makes it difficult to conclude whether or not the population is currently in decline. Numbers at some nesting sites are up, while at others they are down.

Zug (1996) pointed out that the combination of the loss of long-lived adults in fishery-related mortality (especially entanglement in gear and drowning in trawls), and the lack of recruitment stemming from elimination of annual influxes of hatchlings because of intense egg harvesting, has caused the sharp decline in leatherback populations. Other important ongoing threats to the population include pollution, loss of nesting habitat, and boat strikes.

Hawksbill Sea Turtle

The hawksbill is a medium-sized sea turtle with adults in the Caribbean ranging in size from approximately 62.5 to 94.0 cm straight carapace length. The species occurs in all ocean basins although it is relatively rare in the Eastern Atlantic and Eastern Pacific, and absent from the Mediterranean Sea. Hawksbills are the most tropical of the marine turtles, ranging from approximately 30°N to 30° S. They are closely associated with coral reefs and other hard-bottom habitats, but they are also found in other habitats including inlets, bays, and coastal lagoons. The diet is highly specialized and consists primarily of sponges (Meylan 1988), although other food items, notably corallimorphs and zooanthids, have been documented to be important in some areas of the Caribbean (van Dam and Díez 1997, Mayor et al. 1998, Leon and Díez 2000).

In the Western Atlantic, the largest hawksbill nesting population occurs in the Yucatán Península of Mexico, where several thousand nests are recorded annually in the states of Campeche, Yucatán, and Quintana Roo (Garduño-Andrade et al. 1999). Important but significantly smaller nesting aggregations are documented elsewhere in the region in Puerto Rico, the U.S.V.I.,

Antigua, Barbados, Costa Rica, Cuba, and Jamaica (Meylan 1999a). Estimates of the annual number of nests for each of these areas are of the order of hundreds to a few thousand. Nesting within the southeastern U.S. and U.S. Caribbean is restricted to Puerto Rico (>650 nests/yr), the U.S.V.I. (~400 nests/yr), and, rarely, Florida (0-4 nests/yr) (Eckert 1995, Meylan 1999a, Florida Statewide Nesting Beach Survey database). At the two principal nesting beaches in the U.S. Caribbean where long-term monitoring has been carried out, populations appear to be increasing (Mona Island, Puerto Rico) or stable (Buck Island Reef National Monument, St. Croix, U.S.V.I.) (Meylan 1999a).

D. Analysis of the species/critical habitat likely to be affected

Of the above listed species occurring in the action area, NOAA Fisheries believes that Kemp's ridley, loggerhead, green, hawksbill, and leatherback sea turtles are likely to be adversely affected by the proposed action, but no critical habitat for any species will be impacted. These five species are known to occur in the action area and the likelihood of them being impacted by the activities in the action area is not discountable.

III. Environmental Baseline

This section contains an analysis of the effects of past and ongoing human and natural factors leading to the current status of the species, its habitat, and ecosystem, within the action area. The environmental baseline is a snapshot of a species' health at a specified point in time and includes state, tribal, local, and private actions already affecting the species, or that will occur contemporaneously with the consultation in progress. Unrelated Federal actions affecting the same species or critical habitat that have completed formal or informal consultation are also part of the environmental baseline, as are Federal and other actions within the action area that may benefit listed species or critical habitat.

The environmental baseline for this Opinion includes the effects of several activities that affect the survival and recovery of threatened and endangered species in the action area. The activities that shape the environmental baseline in the action area of this consultation are primarily fisheries and recovery activities associated with reducing fisheries impacts. Other environmental impacts include effects of discharges, dredging, military activities, and industrial cooling water intake.

A. Status of the species within the action area

The five species of sea turtles that occur in the action area are all highly migratory. NOAA Fisheries believes that no individual members of any of the species are likely to be year-round residents of the action area. Individual animals will make migrations into nearshore waters as well as other areas of the North Atlantic Ocean, Gulf of Mexico, and the Caribbean Sea. Therefore, the range-wide status of the five species of sea turtles, given in Section II above, most accurately reflects the species' status within the action area.

B. Factors affecting species environment within the action area.

As explained above, sea turtles found in the action area are not year-round residents of the area, and may travel widely throughout the Atlantic, Gulf of Mexico, and Caribbean Sea. Therefore, individuals found in the action area can potentially be affected by activities anywhere else within this wide range.

Federal Actions

In recent years, NOAA Fisheries has undertaken several ESA section 7 consultations to address the effects of federally-permitted fisheries and other Federal actions on threatened and endangered species. Each of those consultations sought to develop ways of reducing the probability of adverse effects of the action on sea turtles. Similarly, recovery actions NOAA Fisheries has undertaken under the ESA are addressing the problem of take of sea turtles in the fishing and shipping industries. The following summary of anticipated sources of incidental take of turtles includes only those Federal actions which have undergone formal section 7 consultation.

Potential adverse effects from Federal vessel operations in the action area and throughout the range of sea turtles include operations of the Navy (USN) and Coast Guard (USCG), the Environmental Protection Agency, the National Oceanic and Atmospheric Administration (NOAA), and the Army Corps of Engineers (COE). NOAA Fisheries has conducted formal consultations with the USCG, and the USN on their vessel operations. Through the section 7 process, where applicable, NOAA Fisheries has and will continue to establish conservation measures for all these agency vessel operations to avoid or minimize adverse effects to listed species. At the present time, however, they represent potential for some level of interaction.

In addition to vessel operations, other military activities including training exercises and ordnance detonation also adversely affect sea turtles. Consultations on individual activities have been completed, but no formal consultation on overall USCG or USN activities in any region has been completed at this time.

The construction and maintenance of Federal navigation channels has also been identified as a source of turtle mortality. Hopper dredges move relatively rapidly (compared to sea turtle swimming speeds) and can entrain and kill sea turtles, presumably as the drag arm of the moving dredge overtakes the slower moving turtle. Regional biological opinions (RBOs) with corresponding ITs have been issued to the COE for the southeast Atlantic waters and the Gulf of Mexico. Consultation is currently underway, on a new RBO for the COE's Gulf of Mexico hopper dredging operations.

The COE and Minerals Management Service (MMS) (the latter is non-military) oil and gas exploration, well development, production, and abandonment/rig removal activities also

adversely affect sea turtles. Both of these agencies have consulted with NOAA Fisheries on these types of activities.

Adverse effects on threatened and endangered species from several types of fishing gear occur in the action area. Efforts to reduce the adverse effects of commercial fisheries are addressed through the ESA section 7 process. Gillnet, longline, trawl gear, and pot fisheries have all been documented as interacting with sea turtles. For all fisheries for which there is a Federal fishery management plan (FMP) or for which any Federal action is taken to manage that fishery, impacts have been evaluated under section 7. Several formal consultations have been conducted on the following fisheries that NOAA Fisheries has determined are likely to adversely affect threatened and endangered species: American lobster, monkfish, dogfish, southeastern shrimp trawl fishery, northeast multispecies, Atlantic pelagic swordfish/tuna/shark, and summer flounder/scup/black sea bass fisheries.

On June 14, 2001, NOAA Fisheries issued a jeopardy opinion for the Highly Migratory Species (HMS) fisheries off the eastern United States. The HMS Opinion found that the continued prosecution of the pelagic longline fishery in the manner described in the HMS FMP was likely to jeopardize the continued existence of loggerhead and leatherback sea turtles. This determination was made by analyzing the effects of the fishery on sea turtles in conjunction with the environmental baseline and cumulative effects. The environmental baseline section of the HMS Opinion is incorporated herein by reference and can be found at the following NOAA Fisheries website:

http://www.nmfs.noaa.gov/prot_res/readingrm/ESAsec7/HMS060801final.pdf

The environmental baseline for the June 14, 2001, HMS Opinion also considered the impacts from the North Carolina offshore spring monkfish gillnet fishery and the inshore fall southern flounder gillnet fishery, both of which were responsible for large numbers of sea turtle mortalities in 1999 and 2000, especially loggerhead sea turtles. However, during the 2001 season NOAA Fisheries implemented an observer program that observed 100% of the effort in the monkfish fishery, and then in 2002 a rule was enacted creating a seasonal monkfish gillnet closure along the Atlantic coast based upon sea surface temperature data and turtle migration patterns. In 2001, NOAA Fisheries also issued an ESA section 10 permit with mitigative measures for the southern flounder fishery. Subsequently, the sea turtle mortalities in these fisheries were drastically reduced. The reduction of turtle mortalities in these fisheries reduces the negative effects these fisheries have on the environmental baseline.

NOAA Fisheries has implemented a reasonable and prudent alternative (RPA) in the HMS fishery which would allow the continuation of the pelagic longline fishery without jeopardizing the continued existence of loggerhead and leatherback sea turtles. The provisions of this RPA include the closure of the Grand Banks region off the northeast United States and gear restrictions that are expected to reduce the by-catch of loggerheads by as much as 76% and leatherbacks by as much as 65%. Further, NOAA Fisheries is implementing a major research project to develop measures aimed at further reducing longline by-catch. The implementation of this RPA reduces the negative effects that the HMS fishery has on the environmental baseline.

The conclusions of the June 14, 2001, HMS Opinion and the subsequent implementation of the RPA are hereby incorporated into the environmental baseline section of this Opinion.

Another action with Federal oversight which has impacts on sea turtles is the operation of electrical generating plants. Sea turtles entering coastal or inshore areas have been affected by entrainment in the cooling-water systems of electrical generating plants. Biological opinions have already been written for a number of electrical generating plants, and others are currently undergoing section 7 consultation.

State or Private Actions

Commercial vessel traffic and recreational pursuits can have an adverse effect on sea turtles through propeller and boat strike damage. Private vessels participate in high speed marine events concentrated in the southeastern United States and are a particular threat to sea turtles, and occasionally to marine mammals as well. The magnitude of these marine events is not currently known. NOAA Fisheries and the USCG are in early consultation on these events, but a thorough analysis has not been completed.

Various fishing methods used in state fisheries, including trawling, pot fisheries, fly nets, and gillnets are known to cause interactions with sea turtles. Georgia and South Carolina prohibit gillnets for all but the shad fishery. Florida has banned all but very small nets in state waters, as has Texas. Louisiana, Mississippi, and Alabama have also placed restrictions on gillnet fisheries within state waters such that very little commercial gillnetting takes place in southeast waters, with the exception of North Carolina. Most pot fisheries in the Southeast are prosecuted in areas frequented by sea turtles.

Strandings in the North Carolina area represent, at best, 7%-13% of the actual nearshore mortality (Epperly et al. 1996). Studies by Bass et al. (1998), Norrgard (1995), and Rankin-Baransky (1997) indicate that the percentage of northern loggerheads in this area is highly over-represented in the strandings when compared to the approximately 9% representation from this subpopulation in the overall U.S. sea turtle nesting populations. Specifically, the genetic composition of sea turtles in this area is 25%-54% from the northern subpopulation, 46%-64% from the South Florida subpopulation, and 3%-16% from the Yucatán subpopulation. The cumulative removal of these turtles on an annual basis would severely impact the recovery of this species.

Other Potential Sources of Impacts in the Environmental Baseline

A number of activities that may indirectly affect listed species include discharges from wastewater systems, dredging, ocean dumping and disposal, and aquaculture. The impacts from these activities are difficult to measure. Where possible, however, conservation actions are being implemented to monitor or study impacts from these elusive sources.

NOAA Fisheries and the USN have been working cooperatively to establish a policy for monitoring and managing acoustic impacts from anthropogenic sound sources in the marine environment. Acoustic impacts can include temporary or permanent injury, habitat exclusion, habituation, and disruption of other normal behavior patterns.

Conservation and Recovery Actions Shaping the Environmental Baseline

NOAA Fisheries implemented a series of regulations aimed at reducing potential for incidental mortality of sea turtles in commercial fisheries. In particular, NOAA Fisheries has required the use of TEDs in southeast U.S. shrimp trawls since 1989 and in summer flounder trawls in the mid-Atlantic area (south of Cape Charles, Virginia) since 1992. It has been estimated that TEDs exclude 97% of the turtles caught in such trawls. These regulations have been refined over the years to ensure that TED effectiveness is maximized through proper placement and installation, configuration (e.g., width of bar spacing), floatation, and more widespread use. Recent analyses by Epperly and Teas (1999) indicate that the minimum requirements for the escape opening dimensions are too small, and that as many as 47% of the loggerheads stranding annually along the Atlantic seaboard and Gulf of Mexico were too large to fit through existing openings. On October 2, 2001, NOAA Fisheries published a proposed rule to require larger escape openings in TEDs and is planning to publish a final rule in 2002.

In 1993 (with a final rule implemented in 1995), NOAA Fisheries established a Leatherback Conservation Zone to restrict shrimp trawl activities from the coast of Cape Canaveral, Florida, to the North Carolina/Virginia border. This provides for short-term closures when high concentrations of normally pelagic-distributed leatherbacks are recorded in more coastal waters where the shrimp fleet operates. This measure is necessary because, due to their size, adult leatherbacks are larger than the escape openings of most NOAA Fisheries-approved TEDs.

NOAA Fisheries is also working to develop a TED which can be effectively used in a type of trawl known as a fly net, which is sometimes used in the mid-Atlantic and northeast fisheries to target sciaenids and bluefish. Limited observer data indicate that takes can be quite high in this fishery. A prototype design has been developed, but testing under commercial conditions is still necessary.

In addition, NOAA Fisheries has been active in public outreach efforts to educate fishermen regarding sea turtle handling and resuscitation techniques. As well as making this information widely available to all fishermen, NOAA Fisheries recently conducted a number of workshops with longline fishermen to discuss bycatch issues including protected species, and to educate them regarding handling and release guidelines. NOAA Fisheries intends to continue these outreach efforts and hopes to reach all fishermen participating in the pelagic longline fishery over the next one to two years. There is also an extensive network of Sea Turtle Stranding and Salvage Network participants along the Atlantic and Gulf of Mexico which not only collects data on dead sea turtles, but also rescues and rehabilitates any live stranded turtles.

IV. Effects of the Action

Since Units 1, 2, and 3 began commercial operation, marine turtles have occasionally been found in the intake canal. CREC records indicate that from 1994 to 1997, eight sea turtles were stranded on the Unit 3 intake bar racks. CREC records for these years were opportunistic, and do not indicate species, time of year, size or disposition of the stranded turtles (dead or alive). Sea turtle monitoring activities at CREC have increased substantially since 1997, with the monitoring program implemented in March 1998 and the implementation of the Sea Turtle Rescue Guidelines dated September 1998. The increased monitoring should provide a more realistic estimate of the number of sea turtles stranded or killed each year at the plants.

The records indicate that this activity has not taken many sea turtles for years up to 1998. For the four years from 1994 to 1997, the activities at CREC have taken an average of two sea turtles per year. Records for 1998 show a dramatic increase in the numbers of sea turtle strandings at CREC, especially for the months of February to May. In 1998, a total of 40 takes were stranded at the power plants, 5 being lethal. Of these, 37 of the turtles released alive were Kemp's ridley and all 5 lethal takes were also Kemp's ridley. All sea turtles stranded at CREC were sub-adults with carapace lengths ranging from 21 cm to 55 cm. There are no proven environmental factors that have caused this increase and population numbers are not monitored for this area so the increase could be from an increase in population or an increase in sub-adult turtles moving into this area from some other area (pers. comm. Allen Foley, FWC).

The number of marine sea turtles taken in 1999 was significantly lower than 1998. A total of 9 live sea turtles were recovered from the bar racks in 1999. Of these, 7 were Kemp's ridleys, 1 was a loggerhead, and 1 was a green turtle. In 2000, a total of 19 turtles were taken from the bar racks: 13 were alive, 5 were considered non-causal mortalities (killed by something other than plant activities, such as a boat strike, and verified by FWC), and 1 was considered killed as a result of plant activities. Of these, 11 were Kemp's ridleys, 6 were green turtles, 1 was a loggerhead, and 1 was a hawksbill.

More turtles were taken in 2001 than in 1998. There were 66 sea turtles taken incidentally in 2001, 62 were released alive, 3 were considered non causal mortalities, and 1 was considered killed as a result of plant activities. The vast majority of these turtles were Kemp's ridleys, followed by green and loggerhead turtles. These numbers exceeded the biennial ITS levels set in the June 1999 Opinion, which established an incidental take level of 50 live takes, 5 turtles killed as a result of plant activities and 8 dead turtles not causally related to plant operations. As of May 21, 2002, there have been 11 turtles incidentally taken at CREC, 8 of which were alive and 3 dead turtles not causally related to plant operations.

Based on this information and recorded take levels for 1998 and 2001, NOAA Fisheries believes that the level of live take of sea turtles in CREC's intake canal may reach 75 sea turtles rescued alive from the bar racks annually and 3 lethal takes annually that are causally related to plant operations. The majority of these turtles are expected to be Kemp's ridleys, followed by greens

and loggerheads. Hawksbills and leatherbacks, although occasionally found in the area, are expected to make up a very small portion of this take (less than 1%). NOAA Fisheries does not expect leatherbacks or hawksbills to be part of the lethal take because of their rarity in the action area.

V. Cumulative Effects

Cumulative effects are the effects of future state, local, or private activities that are reasonably certain to occur within the action area considered in this biological opinion. Federal actions that are unrelated to the proposed action are not considered in this section because they require separate consultation pursuant to section 7 of the ESA. Within the action area, major future changes are not anticipated in ongoing human activities described in the environmental baseline. The present, major human uses of the action area such as commercial fishing, recreational boating and fishing, and the transport of petroleum and other chemical products, are expected to continue at the present levels of intensity in the near future as are their associated risks of injury or mortality to sea turtles posed by incidental capture by fishermen, accidental oil spills, vessel collisions, marine debris, chemical discharges, and man-made noises. As discussed in Section III, however, listed species of turtles migrate throughout the Gulf of Mexico and Atlantic and may be affected during their life cycles by non-Federal activities outside the action area.

Beachfront development, lighting, and beach erosion control are all ongoing activities along the southeastern coast of the United States. These activities potentially reduce or degrade sea turtle nesting habitats or interfere with hatchling movement to sea. Nocturnal human activities along nesting beaches may also discourage sea turtles from nesting sites. The extent to which these activities reduce sea turtle nesting and hatchling production is unknown. However, more and more coastal counties have or are adopting more stringent protective measures to protect hatchling sea turtles from the disorienting effects of beach lighting. Some of these measures were drafted in response to law suits brought against the counties by concerned citizens who charged the counties with failing to uphold the ESA by allowing unregulated beach lighting which results in takes of hatchlings.

State-regulated commercial and recreational boating and fishing activities in the Gulf of Mexico, off Citrus County waters currently result in the incidental take of threatened and endangered species. It is expected that states will continue to license/permit large vessel and thrill-craft operations which do not fall under the purview of a Federal agency and will issue regulations that will affect fishery activities. Any increase in recreational vessel activity in inshore and offshore waters of the Atlantic Ocean and the Gulf of Mexico will likely increase the risk of turtles taken by injury or mortality in vessel collisions. Recreational hook-and-line fisheries have been known to lethally take sea turtles, including Kemp's ridleys. Future cooperation between NOAA Fisheries and the states on these issues should help decrease take of sea turtles caused by recreational activities. NOAA Fisheries will continue to work with states to develop ESA section 6 agreements and section 10 permits to enhance programs to quantify and mitigate these takes.

VI. Conclusion

The annual live take, tagging, and release of 75 turtles (Kemp's ridleys, greens, hawksbills, leatherbacks, and loggerheads) will not have an impact on turtles populations. The annual lethal take of 3 Kemp's ridley, loggerhead, or green sea turtles, or some combination of all three, represents a very small percentage of the total sea turtle take in the Southeast United States from such things as commercial fishing. As explained in this Opinion (in the environmental baseline and species description), nesting for these species has been increasing or remaining stable in the Southeast United States (except for the northern nesting population of loggerheads which has been stable and may be decreasing) in spite of the current amount of take. Therefore, after reviewing the current status of endangered green, leatherback, hawksbill, and Kemp's ridley sea turtles, and threatened loggerhead sea turtles; the environmental baseline; the effects of the proposed action; and the cumulative effects, it is NOAA Fisheries biological opinion that the implementation of the proposed action, as described in the Proposed Action section of this Opinion, is not likely to jeopardize the continued existence of endangered green, leatherback, hawksbill, and Kemp's ridley sea turtles, or threatened loggerhead sea turtles. No critical habitat has been designated for these species in the action area; therefore, none will be affected.

VII. Incidental Take Statement

Section 9 of the ESA and Federal regulations pursuant to section 4(d) of the ESA prohibit the take of endangered and threatened species, respectively, without special exemption. Take is defined as to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, collect, or to attempt to engage in any such conduct. Incidental take is defined as take that is incidental to, and not the purpose of, the carrying out of an otherwise lawful activity. Under the terms of section 7(b)(4) and section 7(o)(2), taking that is incidental to and not intended as part of the agency action is not considered to be prohibited taking under the ESA provided that such taking is in compliance with the terms and conditions of this incidental take statement.

The measures described below are non-discretionary and must be undertaken by the NRC so that they become binding conditions of any grant or permit issued to the applicant, as appropriate, for the exemption in section 7(o)(2) to apply. The NRC has a continuing duty to regulate the activity covered by this incidental take statement. If the NRC fails to assume and implement the terms and conditions, the protective coverage of section 7(o)(2) may lapse. In order to monitor the impact of incidental take, the NRC must report the progress of the action and its impact on the species to NOAA Fisheries as specified in the incidental take statement.

Amount or Extent of Anticipated Take

Based on stranding records, incidental captures aboard commercial shrimp vessels, and historical data, five species of sea turtles are known to occur in the action area. Current available information on the relationship between sea turtles and CREC's cooling water intake system indicates that injury and/or death of sea turtles is likely to occur from entrainment on the bar racks of the water intake system. Therefore, pursuant to section 7(b)(4) of the ESA, NOAA

Fisheries anticipates an annual incidental take of up to **seventy-five** live sea turtles and **three** sea turtles killed as a result of plant operations, in any combination of loggerheads, greens, Kemp's ridleys, hawksbills, or leatherbacks. This level of take is anticipated for the operation of CREC's cooling water intake system. If the actual incidental take meets or exceeds this level, the NRC must immediately request reinitiation of formal consultation. NOAA Fisheries' Southeast Region will cooperate with the NRC in the review of the incident. NOAA Fisheries also expects that the CREC may capture and collect an additional unquantifiable number of previously dead sea turtles (turtles not killed as a result of plant operations) such as turtles with obvious signs of injury, such as prop scars, or disease.

Effect of the Take

NOAA Fisheries believes that the aforementioned level of anticipated annual take, over the next five years, is not likely to appreciably reduce the survival and recovery of Kemp's ridley, green, loggerhead, hawksbill, or leatherback sea turtles in the wild by reducing their reproduction, numbers, or distribution, even if all incidental takes are from the same species. In particular, NOAA Fisheries determined that it does not expect activities associated with the proposed action, when added to ongoing activities affecting these species in the action area and cumulative effects, to affect sea turtles in a way that reduces the number of animals born in a particular year (i.e., a specific age-class), the reproductive success of adult sea turtles, or the number of young sea turtles that annually recruit into the adult breeding population.

Reasonable and Prudent Measures

NOAA Fisheries believes the following reasonable and prudent measures are necessary and appropriate to minimize impacts of incidental take of Kemp's ridley, green, loggerhead, leatherback, and hawksbill sea turtles:

1. NRC will monitor sea turtle activities around the bar racks and rescue sea turtles stranded on the bar racks.
2. NRC will keep records of sea turtle strandings at the plants.

Terms and Conditions

In order to be exempt from the prohibitions of section 9 of the ESA, the NRC must comply with the following terms and conditions, which implement the reasonable and prudent measures described above and outline required reporting and monitoring requirements. These terms and conditions are nondiscretionary.

1. Continue implementation of the procedures outlined in the Florida Power Corporation's Sea Turtle Rescue and Handling Guidelines (AI-571) which are incorporated by reference. All updates of the rescue plan will be reviewed by the FWC and NOAA Fisheries.

2. If any listed species are apparently injured or killed in the intake canal or the bar racks, a report summarizing the incident must be provided to the NOAA Fisheries' Southeast Regional Office (SERO) Assistant Regional Administrator, Protected Resources Division, within 30 days of the incident.
3. All sea turtle takings at the plant will be recorded by species, size, date and time collected, location, condition, and disposition. Details on the information to be collected and recorded shall be specified in the Sea Turtle Rescue and Handling Guidelines. Data collected will be tabulated and submitted to NOAA Fisheries' SERO Assistant Regional Administrator, Protected Resources Division and the FWC by March 1 of each year.
4. If non-lethal take reaches 70 individuals, causally related lethal take reaches 2 individuals, or if take of non-causally related dead turtles reaches 8 individuals (although there is no specified take limit on non-causally related dead turtles, NOAA Fisheries is requiring this information in case there are other issues it may need to look into) in any one year, NRC will notify the SERO Assistant Regional Administrator, Protected Resources Division within 5 days.

NOAA Fisheries anticipates that no more than 78 sea turtles will be incidentally taken annually as a result of the proposed action and that three of these takes will be lethal. The reasonable and prudent measures and their implementing terms and conditions are designed to minimize the impact of incidental take that might otherwise result from the proposed action. If, during the course of this action, this level of incidental take is met or exceeded, such incidental take represents new information requiring reinitiation of consultation and review of the reasonable and prudent measures provided. The NRC must immediately provide an explanation of the causes of the taking and review with NOAA Fisheries the need for possible modification of the reasonable and prudent measures.

VIII. Conservation Recommendations

Section 7(a)(1) of the ESA directs Federal agencies to utilize their authorizations to further the purposes of the ESA by carrying out conservation programs for the benefit of endangered and threatened species. Conservation recommendations are discretionary agency activities to minimize or avoid adverse effects of a proposed action on listed species or critical habitat, to help implement recovery plans, or to develop information.

NRC should continue the evaluation and experimentation on methods to be employed that could be used to keep sea turtles away from the bar racks.

In order for NOAA Fisheries to be kept informed of actions minimizing or avoiding adverse effects or benefitting listed species or their habitats, NOAA Fisheries requests notification of the implementation of any conservation recommendations.

IX. Reinitiation of Consultation

This concludes formal consultation on the actions outlined in the NRC's BA dated October 11, 2001. As provided in 50 CFR 402.16, reinitiation of formal consultation is required where discretionary Federal agency involvement or control over the action has been retained (or is authorized by law) and if (1) the amount or extent of taking specified in the incidental take statement is met or exceeded, (2) new information reveals effects of the action that may affect listed species or critical habitat (when designated) in a manner or to an extent not previously considered, (3) the identified action is subsequently modified in a manner that causes an effect to listed species or critical habitat that was not considered in the biological opinion, or (4) a new species is listed or critical habitat designated that may be affected by the identified action. In instances where the amount or extent of incidental take is exceeded, the NRC must immediately request reinitiation of formal consultation.

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