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)



Department of Environmental Protection

CEIVED

MAY 15 2002

Commental Svcs
Department

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

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"

- (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 <u>\$\Delta 5 - 13 - 02\$</u> 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.

S. Shields 15-13-02 (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 DÉP'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 nd 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 Tastanaki 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.
<i>G3</i>	Either very rare and local throughout its range (21-100 occurrences or less than 10,0000 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?)
<i>G#G</i> #	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.
- 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).
- 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.

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

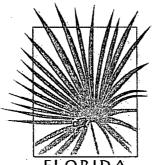
LE Listed as Endangered Plants in the Preservation of Native Flora of Florida Act. Defined as species of plants native to the state that are in imminent danger of extinction within the state, the survival of which is unlikely if the causes of a decline in the number of plants continue, and includes all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

Not currently listed, nor currently being considered for listing.

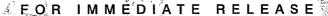


1018 Thomasville Road Suite 200-C Tallahassee, FL 32303 (850) 224-8207 (850) 681-9364 Fax www.fnai.org

Natural Areas INVENTORY









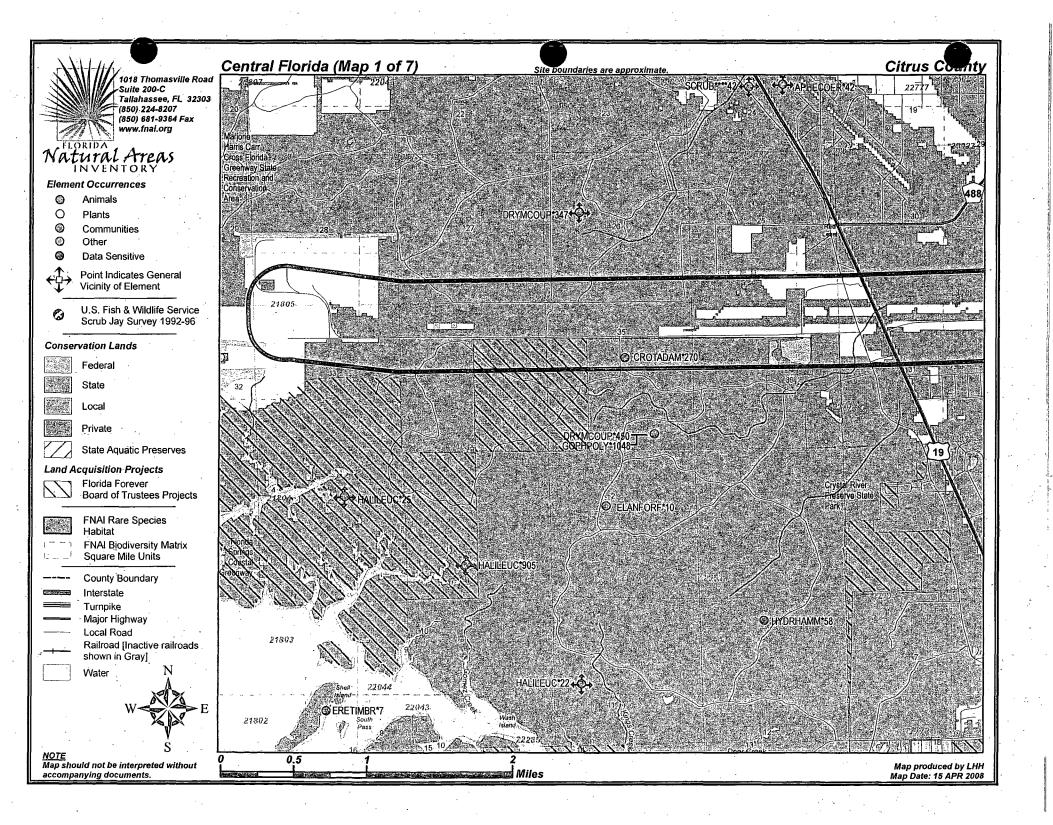
The Biodiversity Matrix Map Server is a new screening tool from FNAI that provides immediate, free access to rare species occurrence information statewide. This tool allows you to zoom to your site of interest and create a report listing documented, likely, and potential occurrences of rare species and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





Florida Natural Areas Inventory



ELEMENT OCCURRENCES DOCUMENTED ON OR NEAR PROJECT SITE

INVENT			Global	State	Federal	State	Observation	1 .	
Map Label	Scientific Name	Common Name	Rank	Rank	Status	Listing	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	swamps are its south and west	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	Ň	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).



Florida Natural Areas Inventory



ELEMENT OCCURRENCES DOCUMENTED ON OR NEAR $PROJECT\ SITE$

INVEN	TORY		Global	State	Federal	l State C)bservatio	on	•
Map Label	Scientific Name	Common Name	Rank	Rank	Status	Listing	Date	Description	EO Comments
HALILEUC*22	Haliaeetus leucocephalus	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	Haliaeetus leucocephalus	Bald Eagle	G5	\$3	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; 1999: No data; 1991: Produced 1 young; 1990: No data; 1989: Produced 1 young;
HALILEUC*25	Haliaeetus leucocephalus	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





Natural Areas		•		18	<u>51</u> /®
INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Matrix Unit ID: 21805		** :		•	
Likely					
Drymarchon couperi Manatee aggregation site Ursus americanus floridanus	Eastern Indigo Snake Florida Black Bear	G3 GNR G5T2	S3 SNR S2	LT N N	LT N LT*
Potential	Tionaa Black Boar	00.12	02		· - ·
Acipenser oxyrinchus desotoi	Gulf Sturgeon	G3T2	S2	ĹT	LS
Ammodramus maritimus peninsulae Asplenium heteroresiliens Caretta caretta Chelonia mydas Cistothorus palustris marianae Corynorhinus rafinesquii Forestiera godfreyi Gopherus polyphemus Justicia cooleyi Leitneria floridana Mustela frenata peninsulae Myotis austroriparius Neovison vison halilimnetes Nerodia clarkii clarkii Phyllanthus leibmannianus ssp. platylepis Podomys floridanus Rallus longirostris scottii Spigelia loganioides Trichechus manatus	Scott's Seaside Sparrow Wagner's Spleenwort Loggerhead Green Turtle Marian's Marsh Wren Rafinesque's Big-eared Bat Godfrey's Swampprivet Gopher Tortoise Cooley's Water-willow Corkwood Florida Long-tailed Weasel Southeastern Bat Gulf Salt Marsh Mink Gulf Salt Marsh Snake Pinewood Dainties Florida Mouse Florida Clapper Rail Pinkroot Manatee	G312 G4T3Q GNA G3 G5T3 G3G4 G2 G3 G5T3 G3G4 G5T3 G4T4 G4T2 G3 G5T3? G2Q G2	\$2 \$3 \$1 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$3 \$3? \$2 \$3 \$3 \$3 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	I N N L L L N N N N N N N N N N N N N N	
Matrix Unit ID: 22046 Likely					
Drymarchon couperi Mesic flatwoods Ursus americanus floridanus	Eastern Indigo Snake Florida Black Bear	G3 G4 G5T2	S3 S4 S2	LT N N	LT N LT*
Potential		F		· ·	
Aimophila aestivalis Asplenium heteroresiliens Corynorhinus rafinesquii Forestiera godfreyi Gopherus polyphemus Justicia cooleyi Leitneria floridana Mustela frenata peninsulae Myotis austroriparius Neovison vison halilimnetes Phyllanthus leibmannianus ssp. platylepis Podomys floridanus Sciurus niger shermani	Bachman's Sparrow Wagner's Spleenwort Rafinesque's Big-eared Bat Godfrey's Swampprivet Gopher Tortoise Cooley's Water-willow Corkwood Florida Long-tailed Weasel Southeastern Bat Gulf Salt Marsh Mink Pinewood Dainties Florida Mouse Sherman's Fox Squirrel	G3 GNA G3G4 G2 G3 G5T3 G5T3 G4T2 G3 G5T3	\$3 \$1 \$2 \$2 \$3 \$2 \$3 \$3 \$3 \$3 \$2 \$3 \$3		N N N E T E T N N N E S S

Definitions: Documented - Rare species and natural communities documented on or near this site.

04/15/2008

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

Page 1 of 4





			18	51 8
Common Name	Global Rank	State Rank	Federal Status	State Listing
Pinkroot	G2Q	S2	N	LE
			٠.	
Eastern Diamondback Rattlesnake	G4	S3	N	N .
Eastern Indigo Snake Florida Black Bear	G3 G5T2	S3 S2	LT N	LT LT*
· ·	•			
Bachman's Sparrow Wagner's Spleenwort Rafinesque's Big-eared Bat Godfrey's Swampprivet Gopher Tortoise Cooley's Water-willow Corkwood Florida Long-tailed Weasel Southeastern Bat Gulf Salt Marsh Mink Pinewood Dainties Florida Mouse Sherman's Fox Squirrel Pinkroot	G3 GNA G3G4 G2 G3 G5T3 G5T3 G4T2 G3 G5T3 G2Q	\$3 \$1 \$2 \$2 \$3 \$2 \$3 \$3 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$3 \$5 \$3 \$5 \$3 \$5 \$3 \$5 \$3 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5	ススススと出てスススススス	N N N E L E L E L E L E L E L E L E L E
			,	
Eastern Indigo Snake Florida Black Bear	G3 G4 G5T2	S3 S4 S2	LT N N	LT N LT*
	•			
Bachman's Sparrow Wagner's Spleenwort Rafinesque's Big-eared Bat Godfrey's Swampprivet Gopher Tortoise Cooley's Water-willow Corkwood Florida Spiny-pod Florida Long-tailed Weasel Southeastern Bat Gulf Salt Marsh Mink Pinewood Dainties Florida Mouse Sherman's Fox Squirrel	G3 GNA G3G4 G2 G3 G2 G5T3 G3G4 G5T3 G4T2 G3 G5T3	S3 S1 S2 S2 S3 S2 S3 S2 S3 S3 S2 S3 S3 S2 S3 S3 S3	zzzzz#zzzzzzz	N N N E T E T E N N N E LS LS
	Eastern Diamondback Rattlesnake Eastern Indigo Snake Florida Black Bear Bachman's Sparrow Wagner's Spleenwort Rafinesque's Big-eared Bat Godfrey's Swampprivet Gopher Tortoise Cooley's Water-willow Corkwood Florida Long-tailed Weasel Southeastern Bat Gulf Salt Marsh Mink Pinewood Dainties Florida Mouse Sherman's Fox Squirrel Pinkroot Eastern Indigo Snake Florida Black Bear Bachman's Spleenwort Rafinesque's Big-eared Bat Godfrey's Swampprivet Gopher Tortoise Cooley's Water-willow Corkwood Florida Spiny-pod Florida Spiny-pod Florida Spiny-pod Florida Salt Marsh Mink Pinewood Dainties Florida Mouse	Common NameRankPinkrootG2QEastern Diamondback RattlesnakeG4Eastern Indigo Snake Florida Black BearG3 G5T2Bachman's Sparrow Wagner's Spleenwort Rafinesque's Big-eared Bat Godfrey's Swampprivet G2 Gopher Tortoise Cooley's Water-willow G2 Corkwood G3 Florida Long-tailed Weasel Southeastern Bat Gulf Salt Marsh Mink Pinewood Dainties Sherman's Fox Squirrel PinkrootG3 G3 G3 G3 G3 G3 G4 G5T3 G5T3 G5T3PinkrootG3 <br< td=""><td>Common Name Rank Rank Pinkroot G2Q S2 Eastern Diamondback Rattlesnake G4 S3 Eastern Indigo Snake G3 S3 Florida Black Bear G5T2 S2 Bachman's Sparrow G3 S3 Wagner's Spleenwort GNA S1 Rafinesque's Big-eared Bat G3G4 S2 Godfrey's Swampprivet G2 S2 Godfrey's Water-willow G2 S2 Corkwood G3 S3 Florida Long-tailed Weasel G5T3 S3 Southeastern Bat G3G4 S3 Gulf Salt Marsh Mink G5T3 S3 Pinewood Dainties G4T2 S2 Florida Mouse G3 S3 Sherman's Fox Squirrel G5T3 S3 Pinkroot G3 S3 Bachman's Sparrow G3 S3 Wagner's Spleenwort GNA S1 Rafinesque's Big-eared Bat G3C4 S4 <t< td=""><td>Common Name Global Rank State Status Pinkroot G2Q S2 N Eastern Diamondback Rattlesnake G4 S3 N Eastern Indigo Snake Florida Black Bear G3 S3 LT Bachman's Sparrow G3 S3 N Wagner's Spleenwort GNA S1 N Rafinesque's Big-eared Bat G3G4 S2 N Godfrey's Swampprivet G2 S2 N Gopher Tortoise G3 S3 N Corkwood G3 S3 N Corkwood G3 S3 N Florida Long-tailed Weasel G5T3 S3 N Southeastern Bat G3G4 S3 N Gulf Salt Marsh Mink G5T3 S3 N Pilorida Mouse G3 S3 N Sherman's Fox Squirrel G5T3 S3 N Florida Black Bear G5T2 S2 N Eastern Indigo Snake G3 <td< td=""></td<></td></t<></td></br<>	Common Name Rank Rank Pinkroot G2Q S2 Eastern Diamondback Rattlesnake G4 S3 Eastern Indigo Snake G3 S3 Florida Black Bear G5T2 S2 Bachman's Sparrow G3 S3 Wagner's Spleenwort GNA S1 Rafinesque's Big-eared Bat G3G4 S2 Godfrey's Swampprivet G2 S2 Godfrey's Water-willow G2 S2 Corkwood G3 S3 Florida Long-tailed Weasel G5T3 S3 Southeastern Bat G3G4 S3 Gulf Salt Marsh Mink G5T3 S3 Pinewood Dainties G4T2 S2 Florida Mouse G3 S3 Sherman's Fox Squirrel G5T3 S3 Pinkroot G3 S3 Bachman's Sparrow G3 S3 Wagner's Spleenwort GNA S1 Rafinesque's Big-eared Bat G3C4 S4 <t< td=""><td>Common Name Global Rank State Status Pinkroot G2Q S2 N Eastern Diamondback Rattlesnake G4 S3 N Eastern Indigo Snake Florida Black Bear G3 S3 LT Bachman's Sparrow G3 S3 N Wagner's Spleenwort GNA S1 N Rafinesque's Big-eared Bat G3G4 S2 N Godfrey's Swampprivet G2 S2 N Gopher Tortoise G3 S3 N Corkwood G3 S3 N Corkwood G3 S3 N Florida Long-tailed Weasel G5T3 S3 N Southeastern Bat G3G4 S3 N Gulf Salt Marsh Mink G5T3 S3 N Pilorida Mouse G3 S3 N Sherman's Fox Squirrel G5T3 S3 N Florida Black Bear G5T2 S2 N Eastern Indigo Snake G3 <td< td=""></td<></td></t<>	Common Name Global Rank State Status Pinkroot G2Q S2 N Eastern Diamondback Rattlesnake G4 S3 N Eastern Indigo Snake Florida Black Bear G3 S3 LT Bachman's Sparrow G3 S3 N Wagner's Spleenwort GNA S1 N Rafinesque's Big-eared Bat G3G4 S2 N Godfrey's Swampprivet G2 S2 N Gopher Tortoise G3 S3 N Corkwood G3 S3 N Corkwood G3 S3 N Florida Long-tailed Weasel G5T3 S3 N Southeastern Bat G3G4 S3 N Gulf Salt Marsh Mink G5T3 S3 N Pilorida Mouse G3 S3 N Sherman's Fox Squirrel G5T3 S3 N Florida Black Bear G5T2 S2 N Eastern Indigo Snake G3 <td< td=""></td<>

Pinkroot

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G2Q

LE

Page 2 of 4

Spigelia loganioides





Natural Areas			3001			
INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing	
Stilosoma extenuatum	Short-tailed Snake	G3	S3	N	LT	
Matrix Unit ID: 22775			*			
Likely	•					
Drymarchon couperi Heterodon simus Mesic flatwoods Ursus americanus floridanus	Eastern Indigo Snake Southern Hognose Snake Florida Black Bear	G3 G2 G4 G5T2	S3 S2 S4 S2	LT N N	LT N N LT*	
Potential	·				,	
	Bachman's Sparrow Wagner's Spleenwort Rafinesque's Big-eared Bat Godfrey's Swampprivet Gopher Tortoise Cooley's Water-willow Corkwood Florida Spiny-pod Florida Long-tailed Weasel Southeastern Bat Pinewood Dainties Florida Mouse Sherman's Fox Squirrel Pinkroot Short-tailed Snake	G3 GNA G3G4 G2 G3 G2 G5T3 G3G4 G4T2 G3 G5T3 G2Q G3	\$3 \$1 \$2 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	22222222222222	N N N LE LT LE N N LE S LS LS LS LT LT	
Matrix Unit ID: 23021						
Likely		•				
Aphelocoma coerulescens Drymarchon couperi Heterodon simus Mesic flatwoods Ursus americanus floridanus	Florida Scrub-jay Eastern Indigo Snake Southern Hognose Snake Florida Black Bear	G2 G3 G2 G4 G5T2	S2 S3 S2 S4 S2	LT LT N N N	LT LT N N LT*	
Potential						
Aimophila aestivalis Corynorhinus rafinesquii Forestiera godfreyi Gopherus polyphemus Justicia cooleyi Leitneria floridana Matelea floridana Mustela frenata peninsulae Myotis austroriparius Neovison vison halilimnetes Notophthalmus perstriatus Phyllanthus leibmannianus ssp. platylepis Podomys floridanus	Bachman's Sparrow Rafinesque's Big-eared Bat Godfrey's Swampprivet Gopher Tortoise Cooley's Water-willow Corkwood Florida Spiny-pod Florida Long-tailed Weasel Southeastern Bat Gulf Salt Marsh Mink Striped Newt Pinewood Dainties Florida Mouse	G3 G3G4 G2 G3 G2 G5T3 G3G4 G5T3 G2G3 G4T2 G3	\$3 \$2 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$2 \$3 \$2 \$3 \$2 \$3	zzzzzzzzzzzzzzz	N N LE LE LE N N N N LE S	

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Page 3 of 4



Stilosoma extenuatum

Florida Natural Areas Inventory Biodiversity Matrix Report



LT

G3

S3

tural Areas Global State Federal State Scientific Name Common Name Rank Rank Status Listing **S3** LS Sherman's Fox Squirrel G5T3 Ν Sciurus niger shermani **Pinkroot** G2Q S2 Ν LE Spigelia loganioides Stilosoma extenuatum Short-tailed Snake G3 **S3** Ν LT Matrix Unit ID: 23022 Likely **S2** LT. Aphelocoma coerulescens Florida Scrub-jay G2 LT. S3 LT Drymarchon couperi Eastern Indigo Snake G3 LT S2 Ν Heterodon simus Southern Hognose Snake G2 Ν Mesic flatwoods G4 **S4** Ν Ν **Potential** Incised Groove-bur LE Agrimonia incisa G3 **S2** Ν S3 Aimophila aestivalis Bachman's Sparrow G3 Ν Ν S1 Ν Asplenium heteroresiliens Wagner's Spleenwort **GNA** Ν Corynorhinus rafinesquii Rafinesque's Big-eared Bat **G3G4** S2 Ν Ν Forestiera godfreyi Godfrey's Swampprivet G2 S2 Ν LE Gopherus polyphemus G3 S3 N LT **Gopher Tortoise** Justicia cooleyi Cooley's Water-willow G2 S2 LE LE Leitneria floridana Corkwood G3 S3 Ν LT G2 S2 Ν LE Matelea floridana Florida Spiny-pod Florida Long-tailed Weasel G5T3 S3 N Ν Mustela frenata peninsulae S3 Ν Ν Myotis austroriparius Southeastern Bat G3G4 S2S3 Ν Notophthalmus perstriatus Striped Newt G2G3 Ν Phyllanthus leibmannianus ssp. platylepis **Pinewood Dainties** G4T2 S2 N LE **S3** Ν LS Podomys floridanus G3 Florida Mouse Sciurus niger shermani Sherman's Fox Squirrel G5T3 **S3** Ν LS G2Q S2 LE Spigelia loganioides **Pinkroot** N

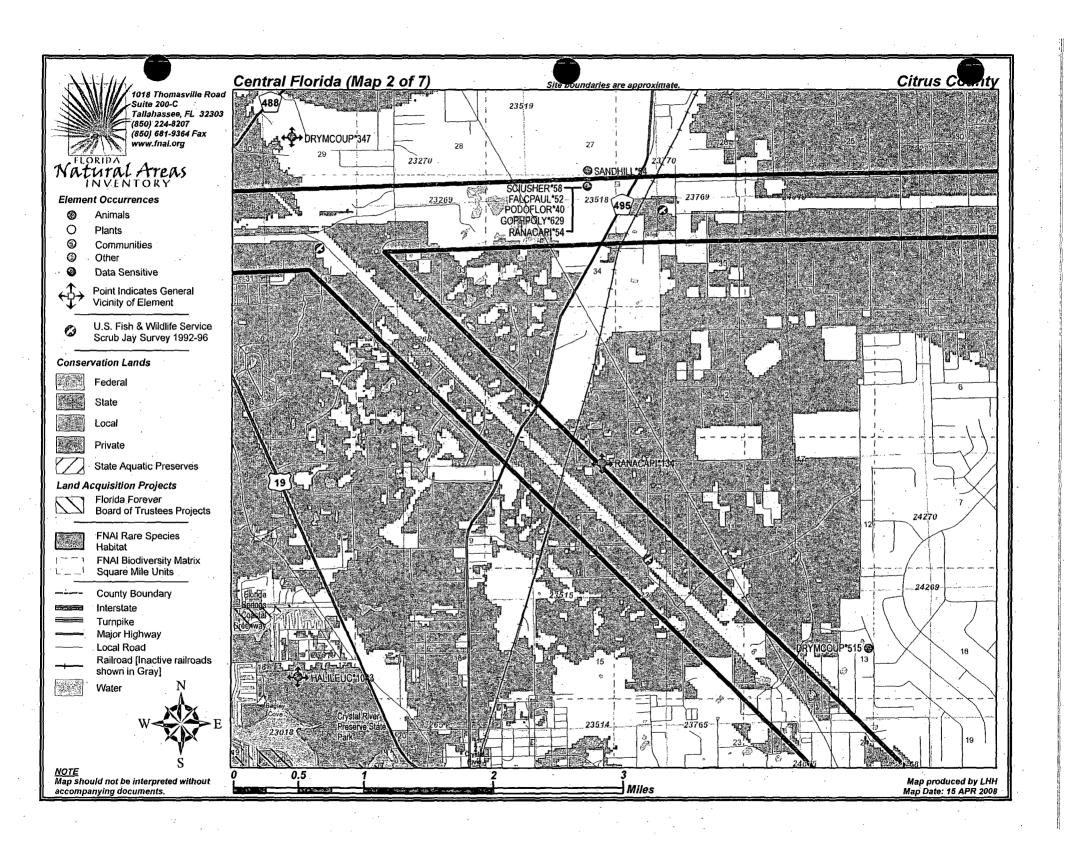
Short-tailed Snake

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Florida Natural Areas Inventory



ELEMENT OCCURRENCES DOCUMENTED ON OR NEAR PROJECT SITE

INVENT	[,QRY		Global	State	Federal	State	Observatio:	n	
Map Label	Scientific Name	Common Name	Rank	Rank	Status	Listing	Date	Description	EO Comments
RAŅACAPI*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	S 3	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 (U06MAl01FLUS)



Florida Natural Areas Inventory





Natural Areas		•		10	31/
Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Matrix Unit ID: 23021				**	
Likely					
Aphelocoma coerulescens Drymarchon couperi Heterodon simus Mesic flatwoods Ursus americanus floridanus	Florida Scrub-jay Eastern Indigo Snake Southern Hognose Snake Florida Black Bear	G2 G3 G2 G4 G5T2	\$2 \$3 \$2 \$4 \$2	LT LT N N	LT LT N N LT*
Potential					
Aimophila aestivalis Corynorhinus rafinesquii Forestiera godfreyi Gopherus polyphemus Justicia cooleyi Leitneria floridana Matelea floridana Mustela frenata peninsulae Myotis austroriparius Neovison vison halilimnetes Notophthalmus perstriatus Phyllanthus leibmannianus ssp. platylepis Podomys floridanus Sciurus niger shermani Spigelia loganioides Stilosoma extenuatum	Bachman's Sparrow Rafinesque's Big-eared Bat Godfrey's Swampprivet Gopher Tortoise Cooley's Water-willow Corkwood Florida Spiny-pod Florida Long-tailed Weasel Southeastern Bat Gulf Salt Marsh Mink Striped Newt Pinewood Dainties Florida Mouse Sherman's Fox Squirrel Pinkroot Short-tailed Snake	G3 G3G4 G2 G3 G2 G5T3 G5T3 G2G3 G4T2 G3 G5T3 G2Q G3	\$3 \$2 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	N N LET LE N N N N LES LE LT
Matrix Unit ID: 23022					
Likely	•				
Aphelocoma coerulescens Drymarchon coupen Heterodon simus Mesic flatwoods	Florida Scrub-jay Eastern Indigo Snake Southern Hognose Snake	G2 G3 G2 G4	S2 S3 S2 S4	LT LT N N	LT LT N N
Potential					
Agrimonia incisa Aimophila aestivalis Asplenium heteroresiliens Corynorhinus rafinesquii Forestiera godfreyi Gopherus polyphemus Justicia cooleyi Leitneria floridana Matelea floridana Mustela frenata peninsulae Myotis austroriparius Notophthalmus perstriatus Phyllanthus leibmannianus ssp. platylepis Podomys floridanus	Incised Groove-bur Bachman's Sparrow Wagner's Spleenwort Rafinesque's Big-eared Bat Godfrey's Swampprivet Gopher Tortoise Cooley's Water-willow Corkwood Florida Spiny-pod Florida Long-tailed Weasel Southeastern Bat Striped Newt Pinewood Dainties Florida Mouse	G3 G3 GNA G3G4 G2 G3 G2 G5T3 G3G4 G2G3 G4T2 G3	\$2 \$3 \$1 \$2 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	Z Z Z Z Z Z L Z Z Z Z Z Z Z	LE N N N LE T LE N N N LE S

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Natural Areas				. 18	51
INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Sciurus niger shermani Spigelia loganioides Stilosoma extenuatum	Sherman's Fox Squirrel Pinkroot Short-tailed Snake	G5T3 G2Q G3	S3 S2 S3	N N N	LS LE LT
Matrix Unit ID: 23267					,
Likely					
Aphelocoma coerulescens Heterodon simus Mesic flatwoods	Florida Scrub-jay Southern Hognose Snake	G2 G2 G4	\$2 \$2 \$4	LT N N	LT N N
Potential					
Aimophila aestivalis Asplenium heteroresiliens Centrosema arenicola Corynorhinus rafinesquii Drymarchon couperi Forestiera godfreyi Gopherus polyphemus Justicia cooleyi Leitneria floridana Matelea floridana Monotropsis reynoldsiae Mustela frenata peninsulae Myotis austroriparius Nemastylis floridana Neovison vison halilimnetes Notophthalmus perstriatus Podomys floridanus Sciurus niger shermani Spigelia loganioides Stilosoma extenuatum	Bachman's Sparrow Wagner's Spleenwort Sand Butterfly Pea Rafinesque's Big-eared Bat Eastern Indigo Snake Godfrey's Swampprivet Gopher Tortoise Cooley's Water-willow Corkwood Florida Spiny-pod Pygmy Pipes Florida Long-tailed Weasel Southeastern Bat Celestial Lily Gulf Salt Marsh Mink Striped Newt Florida Mouse Sherman's Fox Squirrel Pinkroot Short-tailed Snake	G3 GNA G2Q G3G4 G3 G2 G3 G2 G1Q G5T3 G3G4 G2 G5T3 G2G3 G3 G5T3 G2Q G3	\$3 \$1 \$2 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	zzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzz	
Matrix Unit ID: 23268					
Likely					
Aphelocoma coerulescens Drymarchon couperi Heterodon simus Mesic flatwoods	Florida Scrub-jay Eastern Indigo Snake Southern Hognose Snake	G2 G3 G2 G4	S2 S3 S2 S4	LT LT N N	LT LT N N
Potential					
Agrimonia incisa Aimophila aestivalis Asplenium heteroresiliens Corynorhinus rafinesquii Forestiera godfreyi Gopherus polyphemus Justicia cooleyi Leitneria floridana	Incised Groove-bur Bachman's Sparrow Wagner's Spleenwort Rafinesque's Big-eared Bat Godfrey's Swampprivet Gopher Tortoise Cooley's Water-willow Corkwood	G3 G3 GNA G3G4 G2 G3 G2 G3	\$2 \$3 \$1 \$2 \$2 \$3 \$2 \$3	Z Z Z Z Z E Z	LE N N N LE LT LE LT

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04/15/2008





NATURAL ATTEAS	•				
Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Matelea floridana Mustela frenata peninsulae Myotis austroriparius Nemastylis floridana Neovison vison halilimnetes Notophthalmus perstriatus Phyllanthus leibmannianus ssp. platylepis Podomys floridanus Rana capito Sciurus niger shermani Spigelia loganioides Stilosoma extenuatum	Florida Spiny-pod Florida Long-tailed Weasel Southeastern Bat Celestial Lily Gulf Salt Marsh Mink Striped Newt Pinewood Dainties Florida Mouse Gopher Frog Sherman's Fox Squirrel Pinkroot Short-tailed Snake	G2 G5T3 G3G4 G2 G5T3 G2G3 G4T2 G3 G5T3 G2Q G3	\$2 \$3 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$2 \$3	222222222	LE NNLENNLES LS LS LE LT
Matrix Unit ID: 23269					
Aphelocoma coerulescens Heterodon simus Mesic flatwoods Sandhill upland lake	Florida Scrub-jay Southern Hognose Snake	G2 G2 G4 G3	\$2 \$2 \$4 \$2	LT N N	LT N N N
otential					
Agrimonia incisa Aimophila aestivalis Asplenium heteroresiliens Drymarchon couperi Forestiera godfreyi Gopherus polyphemus Justicia cooleyi Leitneria floridana Litsea aestivalis Matelea floridana Mustela frenata peninsulae Myotis austroriparius Notophthalmus perstriatus Phyllanthus leibmannianus ssp. platylepis Podomys floridanus Pteroglossaspis ecristata Rana capito Sciurus niger shermani Spigelia loganioides Stilosoma extenuatum	Incised Groove-bur Bachman's Sparrow Wagner's Spleenwort Eastern Indigo Snake Godfrey's Swampprivet Gopher Tortoise Cooley's Water-willow Corkwood Pondspice Florida Spiny-pod Florida Long-tailed Weasel Southeastern Bat Striped Newt Pinewood Dainties Florida Mouse Giant Orchid Gopher Frog Sherman's Fox Squirrel Pinkroot Short-tailed Snake	G3 G3 GNA G3 G2 G3 G3 G3 G5T3 G3G4 G2G3 G4T2 G3 G2G3 G5T3 G2Q G3	\$2 \$3 \$1 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	LENNT LET LET LENNNEST LS LE LT
Matrix Unit ID: 23515	i				
Likely	Florida Comita inc	00	00		. ~~
Aphelocoma coerulescens Drymarchon couperi Heterodon simus Mesic flatwoods	Florida Scrub-jay Eastern Indigo Snake Southern Hognose Snake	G2 G3 G2 G4	S2 S3 S2 S4	LT LT N N	LT LT N N

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.

04/15/2008





New Note	Natural Areas				1031			
Rana capito Gopher Frog G3 S3 N LS Potential Agrimonia Incisa Incised Groove-bur G3 S2 N LE Asplenium number vurtissii Vagner's Spleenwort GNA S1 N N Centrosema arenicola Sand Butterfly Pea G2Q S2 N LE Controseria godfreyi Goffrey's Swampprivet G2 S2 N LE Gopherus polyphemus Gopher Tortoise G3 S3 N LT Justicia colejvi Cooley's Water-willow G2 S2 N LE Manotropasis reynoldsiae Florida Spiny-pod G2 S2 N LE Mustela frondana Florida Long-tailed Weasel G573 S3 N N Myoris austroriparius Southeastern Bat G3C S2 N LE Myoris austroriparius Calestial Lily G2 S2 N L Mematylis floridana Calestial Lily G2 S2 N <th>INVENTORY</th> <th></th> <th></th> <th>State</th> <th></th> <th></th> <th></th>	INVENTORY			State				
Potential	Scientific Name	Common Name	Rank	Rank	Status	Listing	_	
Agrimonia incisa	Rana capito	Gopher Frog	G3	S3	. N	LS		
Asplenium heteroresiliens Wagner's Spleenwort GNA S1 N N Asplenium x curtissiii Curtiss' Spleenwort GNA S1 N N Centrosema arenicola Sand Butterfly Pea G2O S2 N LE Corynorhinus rafinesquii Rafinesque's Big-eared Bat G3C4 S2 N LE Coroley's Coroley's Swarmprivet G2 S2 N LE Gopherus polypherius Gopher Tortoise G3 S3 N LT Justicia cooley' Cooley's Water-willow G2 S2 LE LE Matelea floridana Florida Spiny-pod G2 S2 N LE Mustela frenata peninsulae Florida Long-tailed Weasel G5T3 S3 N N Myolis austroriparius Southeastem Bat G3C4 S3 N N Mewistel frenata peninsulae Florida Long-tailed Weasel G5T3 S3 N N Mematylis floridana Celestial Lify G2 S2	Potential							
Asplenium x curtissi	Agrimonia incisa	Incised Groove-bur	G3	S2	N	LE		
Asplenium x curtissi	Asplenium heteroresiliens	Wagner's Spleenwort	GNA	S1	N	N		
Centrosema arenicola Centrosema irenicola								
Corynothinus rafinesquii Rafinesque's Big-eared Bat G3G4 \$2 N N Forestiera godfrey's Godfrey's Swampprivet G2 \$2 N LE Gopherus polyphemus Gopher Tortoise G3 \$3 N LT Justicia cooleyi Cooley's Water-willow G2 \$2 N LE More and Mondrospis reynoldsiae Florida Spiny-pod G2 \$2 N LE LS L								
Forestlera godfreyi Godfrey's Swampprivet G2 S2 N LE	Corynorhinus rafinesquii							
Gopher Dotology Gooley's Water-willow G2 S2 LE LE								
Justicia cooleyi								
Matelea floridana Florida Spiny-pod G2 S2 N LE Monotropsis reynoldsiae Pygmy Pipes G1Q S1 N LE Mustela frenata peninsulae Florida Long-tailed Weasel G5T3 S3 N N Myotis austroriparius Southeastern Bat G3G4 S3 N N Nemastylis floridana Celestial Lily G2 S2 N LE Neovison vison halilimnetes Gulf Salt Marsh Mink G5T3 S3 N N Notophthalmus perstriatus Striped Newt G2G3 S2S3 N N Podomys floridanus Florida Mouse G3 S3 N LS Pleroglossaspis ecristata Giant Orchid G2G3 S2 N LT Pycranthemum floridanum Florida Mountain-mint G3 S3 N LS Sciurus niger shermari Sherman's Fox Squirrel G5T3 S3 N LS Shjgelia loganicides Pinkroot G2 S2 N </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
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Forestiera godfreyi Godfrey's Swampprivet G2 S2 N LE Gopherus polyphemus Gopher Tortoise G3 S3 N LT Justicia cooleyi Cooley's Water-willow G2 S2 LE LE Leitneria floridana Corkwood G3 S3 N LT Matelea floridana Florida Spiny-pod G2 S2 N LE Monotropsis reynoldsiae Pygmy Pipes G1Q S1 N LE Mustela frenata peninsulae Florida Long-tailed Weasel G5T3 S3 N N								
Gopherus polyphemusGopher TortoiseG3S3NLTJusticia cooleyiCooley's Water-willowG2S2LELELeitneria floridanaCorkwoodG3S3NLTMatelea floridanaFlorida Spiny-podG2S2NLEMonotropsis reynoldsiaePygmy PipesG1QS1NLEMustela frenata peninsulaeFlorida Long-tailed WeaselG5T3S3NN								
Justicia cooleyiCooley's Water-willowG2S2LELELeitneria floridanaCorkwoodG3S3NLTMatelea floridanaFlorida Spiny-podG2S2NLEMonotropsis reynoldsiaePygmy PipesG1QS1NLEMustela frenata peninsulaeFlorida Long-tailed WeaselG5T3S3NN								
Leitneria floridanaCorkwoodG3S3NLTMatelea floridanaFlorida Spiny-podG2S2NLEMonotropsis reynoldsiaePygmy PipesG1QS1NLEMustela frenata peninsulaeFlorida Long-tailed WeaselG5T3S3NN								
Matelea floridanaFlorida Spiny-podG2S2NLEMonotropsis reynoldsiaePygmy PipesG1QS1NLEMustela frenata peninsulaeFlorida Long-tailed WeaselG5T3S3NN								
Monotropsis reynoldsiae Pygmy Pipes G1Q S1 N LE Mustela frenata peninsulae Florida Long-tailed Weasel G5T3 S3 N N								
Mustela frenata peninsulae Florida Long-tailed Weasel G5T3 S3 N N								
		Southeastern Bat						

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





Natural Areas		•			
INVENTORY		Global	State	Federal	State
Scientific Name	Common Name	Rank	Rank	Status	Listing
Nemastylis floridana	Celestial Lily	G2	S2	N	LE
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	Ň	- N
					LS
Podomys floridanus	Florida Mouse	G3	S3	N	
Pycnanthemum floridanum	Florida Mountain-mint	G3	S3	N	LT
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	. N	LS
Spigelia loganioides	Pinkroot	G2Q	S2	N -	LE
Stilosoma extenuatum	Short-tailed Snake	G3	S3	N	LT
Matrix Unit ID: 23517	$\mathcal{C}_{\mathcal{A}} = \{ \mathbf{e}_{\mathcal{A}} \mid \mathbf{e}_{\mathcal{A}} \in \mathcal{A} \mid \mathbf{e}_{\mathcal{A}} \in \mathcal{A} \}$				
Likely		,			٠
Aphelocoma coerulescens	Florida Scrub-jay	G2	S2	LT	LT
Drymarchon couperi	Eastern Indigo Snake	G3	S3 [']	LT	LT
Heterodon simus	Southern Hognose Snake	G2	S2	N	N
Mesic flatwoods	Codinem rognose onake	G4	S4	N	N
	Oinhan Fran				
Rana capito	Gopher Frog	G3	S3	N	LS
Sandhill		G3	S2	N	. N
Sandhill upland lake		G3	· S2	N	N
Potential				٠,	
Agrimonia incisa	Incised Groove-bur	G3	S2	·N	LE
Aimophila aestivalis	Bachman's Sparrow	G3	S3	N	N
Asplenium heteroresiliens	Wagner's Spleenwort	GNA	S1	, N	N
Digitaria floridana	Florida Crabgrass	G1	S1	N	N
Forestiera godfreyi	Godfrey's Swampprivet	G2	S2	N	LE
		G2 G3	S3	N	ĹŤ
Gopherus polyphemus	Gopher Tortoise				
Justicia cooleyi	Cooley's Water-willow	G2	S2	LE	LE
Leitneria floridana	Corkwood	G3	S3	N	LT
Matelea floridana	Florida Spiny-pod	G2	S2	N	LE
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N	N
Myotis austroriparius	Southeastern Bat	G3G4	S3	N	N
Nemastylis floridana	Celestial Lily	G2	S2	Ñ	LE
		G2G3	S2S3	Ň	N
Notophthalmus perstriatus	Striped Newt				
Phyllanthus leibmannianus ssp. platylepis		G4T2	S2	N	LE
Podomys floridanus	Florida Mouse	G3	S3	N	· LS
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS
Spigelia loganioides	Pinkroot	G2Q	S2	N	LE .
Stilosoma extenuatum	Short-tailed Snake	G3	S3	N	LT
Matrix Unit ID: 23518					
Documented					
Falco sparverius paulus	Southeastern American Kestrel	G5T4	S3	N	LT
			S3	N	LT
Gopherus polyphemus	Gopher Tortoise	• G3			
Podomys floridanus	Florida Mouse	G3	S3	N	LS
Rana capito	Gopher Frog	G3	S3	N	LS
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS
Likely		•		•	
Aphelocoma coerulescens	Florida Scrub-jay	G2	S2	LT	LT

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Natural Areas				30	31
INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Heterodon simus Mesic flatwoods Sandhill Sandhill upland lake	Southern Hognose Snake	G2 G4 G3 G3	\$2 \$4 \$2 \$2	N N N	N N N N
Potential				•	
Agrimonia incisa Asplenium heteroresiliens Drymarchon couperi Leitneria floridana Litsea aestivalis Matelea floridana Mustela frenata peninsulae Myotis austroriparius Nemastylis floridana Notophthalmus perstriatus Phyllanthus leibmannianus ssp. platylepis Pteroglossaspis ecristata Spigelia loganioides Stilosoma extenuatum	Incised Groove-bur Wagner's Spleenwort Eastern Indigo Snake Corkwood Pondspice Florida Spiny-pod Florida Long-tailed Weasel Southeastern Bat Celestial Lily Striped Newt Pinewood Dainties Giant Orchid Pinkroot Short-tailed Snake	G3 GNA G3 G3 G2 G5T3 G3G4 G2 G2G3 G4T2 G2G3 G2Q G3	\$2 \$1 \$3 \$3 \$2 \$2 \$3 \$3 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2	zz T z z z z z z z z z	LN LT LL R R L R LL LL L
Likely					
Aphelocoma coerulescens Drymarchon couperi Heterodon simus Mesic flatwoods Sandhill upland lake	Florida Scrub-jay Eastern Indigo Snake Southern Hognose Snake	G2 G3 G2 G4 G3	S2 S3 S2 S4 S2	LT LT N N	LT LT N N
Potential					
Agrimonia incisa Aimophila aestivalis Asplenium heteroresiliens Asplenium x curtissii Centrosema arenicola Forestiera godfreyi Gopherus polyphemus Justicia cooleyi Matelea floridana Monotropsis reynoldsiae Mustela frenata peninsulae Myotis austroriparius Nemastylis floridana Neofiber alleni Notophthalmus perstriatus Picoides borealis Podomys floridanus Pteroglossaspis ecristata Pycnanthemum floridanum	Incised Groove-bur Bachman's Sparrow Wagner's Spleenwort Curtiss' Spleenwort Sand Butterfly Pea Godfrey's Swampprivet Gopher Tortoise Cooley's Water-willow Florida Spiny-pod Pygmy Pipes Florida Long-tailed Weasel Southeastern Bat Celestial Lily Round-tailed Muskrat Striped Newt Red-cockaded Woodpecker Florida Mouse Giant Orchid Florida Mountain-mint	G3 G3 GNA GNA G2Q G2 G3 G2 G1Q G5T3 G3G4 G2 G3 G3 G3 G3 G3 G3 G3	\$2 \$3 \$1 \$2 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	L N N N L L L L L L N N L N N S S L T L T

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Natural Areas	
Colontifia Nama	

Natural Areas		•		100	
INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
		*			
Rana capito	Gopher Frog	G3	S3	N	LS
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS
Spigelia loganioides	Pinkroot	G2Q	S2	N.	LE
Stilosoma extenuatum	Short-tailed Snake	Ģ3	S3	N	LT
Matrix Unit ID: 23766					
Likely			•		
Aphelocoma coerulescens	Florida Scrub-jay	G2	S2	LT ·	LT .
Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT
Heterodon simus	Southern Hognose Snake	G2	S2	N	N
Mesic flatwoods	oodinom riognood onako	G4	S4	N	Ň
Rana capito	Gopher Frog	G3	S3	N	ĹS
Sandhill	Copiler Frog	G3	S2	N	N
Potential					
Agrimonia incisa	Incised Groove-bur	G3	S2	N	LE
Aimophila aestivalis	Bachman's Sparrow	G3	S3	N	N
Asplenium heteroresiliens	Wagner's Spleenwort	GNA	S1	Ň	N
	Curtiss' Spleenwort	GNA	S1	N	N
Asplenium x curtissii		GAT3	S3	N	LS
Athene cunicularia floridana	Florida Burrowing Owl		S2	. N	LE
Centrosema arenicola	Sand Butterfly Pea	G2Q			
Digitaria floridana	Florida Crabgrass	G1	S1	N	N
Forestiera godfreyi	Godfrey's Swampprivet	G2	S2	N	LE
Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT
Justicia cooleyi	Cooley's Water-willow	G2	S2	LE	LE
Litsea aestivalis	Pondspice	G3	S2	N	LE
Matelea floridana	Florida Spiny-pod	G2	S2	N	LE
Monotropsis reynoldsiae	Pygmy Pipes	G1Q	S1	N	LE
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N	N
Myotis austroriparius	Southeastern Bat	G3G4	S3	N	N
Nemastylis floridana	Celestial Lily	G2	S2	N	LE
Notophthalmus perstriatus	Striped Newt	G2G3	· S2S3	N	N
Podomys floridanus	Florida Mouse	G3	S3	N	LS
Pteroglossaspis ecristata	Giant Orchid	G2G3	S2	N.	LT
Pycnanthemum floridanum	Florida Mountain-mint	G3	S3	N	ŁT
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS
Spigelia loganioides	Pinkroot	G2Q	S2	N	ĻĒ
Matrix Unit ID: 23767					
•	•				* .
Likely					,
Aphelocoma coerulescens	Florida Scrub-jay	G2	S2	LT	LT
Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT
Heterodon simus	Southern Hognose Snake	G2	S2	N	N
Mesic flatwoods	-	G4	S4	N	N
Rana capito	Gopher Frog	G3	S3	N	LS
Sandhill	<u> </u>	G3	S2	N	N
Potential	•				
					•

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Natural Areas INVENTORY		Global		Federal	State
Scientific Name C	Common Name	Rank	Rank	Status	Listing
Agrimonia incisa Aimophila aestivalis Asplenium heteroresiliens Asplenium x curtissii Athene cunicularia floridana Centrosema arenicola Digitaria floridana Gopherus polyphemus Leitneria floridana Litsea aestivalis Matelea floridana Mustela frenata peninsulae Myotis austroriparius Nemastylis floridana Notophthalmus perstriatus Podomys floridanus	Common Name Incised Groove-bur Bachman's Sparrow Vagner's Spleenwort Curtiss' Spleenwort Florida Burrowing Owl Band Butterfly Pea Florida Crabgrass Gopher Tortoise Corkwood Pondspice Florida Spiny-pod Florida Long-tailed Weasel Boutheastern Bat Celestial Lily Striped Newt Florida Mouse Florida Mouse Florida Mountain-mint	G3 G3 GNA GNA G4T3 G2Q G1 G3 G3 G3 G2 G5T3 G3G4 G2 G2G3 G3 G3 G3	\$2 \$3 \$1 \$1 \$3 \$2 \$1 \$3 \$2 \$1 \$3 \$2 \$2 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	N N N N N N N N N N N N N N N N N N N	LE N N N LS LE N T LT LE N N LS LE N LT LE LE N LE N LS LT
Sciurus niger shermani Spigelia loganioides	Sherman's Fox Squirrel	G5T3 G2Q	\$3 \$2	N N	LS LE
trix Unit ID: 23769					
Likely					. —
Drymarchon couperi	Florida Scrub-jay Eastern Indigo Snake Southern Hognose Snake	G2 G3 G2 G4 G3	S2 S3 S2 S4 S2	LT LT N N	LT LT N N
Potential					
Aimophila aestivalis Asplenium heteroresiliens Athene cunicularia floridana Digitaria floridana Gopherus polyphemus Leitneria floridana Litsea aestivalis Matelea floridana Mustela frenata peninsulae Myotis austroriparius Nemastylis floridana Notophthalmus perstriatus Phyllanthus leibmannianus ssp. platylepis Pituophis melanoleucus mugitus Podomys floridanus Rana capito Sciurus niger shermani Spigelia loganioides	Incised Groove-bur Bachman's Sparrow Wagner's Spleenwort Florida Burrowing Owl Florida Crabgrass Gopher Tortoise Corkwood Pondspice Florida Spiny-pod Florida Long-tailed Weasel Southeastern Bat Celestial Lily Striped Newt Pinewood Dainties Florida Pine Snake Florida Mouse Gopher Frog Sherman's Fox Squirrel Pinkroot Short-tailed Snake	G3 G3 GNA G4T3 G1 G3 G3 G2 G5T3 G3G4 G2 G4T2 G4T3 G3 G3 G5T3 G3 G5T3 G3 G3	\$2 \$3 \$1 \$3 \$1 \$3 \$2 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	222222222222222222	LE N N S N T T LE LE N N LE N LE S S S LE

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Natural Areas				1851		
Natural Areas INVENTORYScientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing	
Matrix Unit ID: 24015	· · · · · · · · · · · · · · · · · · ·				•	
Likely						
Aphelocoma coerulescens Mesic flatwoods Sandhill Sandhill upland lake	Florida Scrub-jay	G2 G4 G3 G3	S2 S4 S2 S2	LT N N N	LT N N N	
Potential						
Agrimonia incisa Aimophila aestivalis Asplenium heteroresiliens Asplenium x curtissii Athene cunicularia floridana Centrosema arenicola Digitaria floridana Drymarchon couperi Forestiera godfreyi Gopherus polyphemus Heterodon simus Justicia cooleyi Matelea floridana Monotropsis reynoldsiae Mustela frenata peninsulae Myotis austroriparius Nemastylis floridana Neofiber alleni Notophthalmus perstriatus Picoides borealis Podomys floridanus Pteroglossaspis ecristata Pycnanthemum floridanum Rana capito Sciurus niger shermani Spigelia loganioides Stilosoma extenuatum	Incised Groove-bur Bachman's Sparrow Wagner's Spleenwort Curtiss' Spleenwort Florida Burrowing Owl Sand Butterfly Pea Florida Crabgrass Eastern Indigo Snake Godfrey's Swampprivet Gopher Tortoise Southern Hognose Snake Cooley's Water-willow Florida Spiny-pod Pygmy Pipes Florida Long-tailed Weasel Southeastern Bat Celestial Lily Round-tailed Muskrat Striped Newt Red-cockaded Woodpecker Florida Mouse Giant Orchid Florida Mountain-mint Gopher Frog Sherman's Fox Squirrel Pinkroot Short-tailed Snake	G3 G3 GNA GNA G4T3 G2Q G1 G3 G2 G2 G1Q G5T3 G3G4 G2 G3 G2G3 G3 G3 G3 G4 G3 G3 G4 G3 G3 G3 G3 G3 G3 G3 G3 G3 G3 G3 G3 G3	\$2 \$3 \$1 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	zzzzzzgzzgzzgzzzzzzzzzzzzzzzzzzzzzzzzzz	E Z Z Z S E Z T E T Z E E E Z Z E Z Z S T T S S E T	
Matrix Unit ID: 24016 Likely		`.				
Aphelocoma coerulescens Drymarchon couperi Heterodon simus Mesic flatwoods Sandhill Sandhill upland lake	Florida Scrub-jay Eastern Indigo Snake Southern Hognose Snake	G2 G3 G2 G4 G3 G3	S2 S3 S2 S4 S2 S2	LT LT N N N	LT N N N N	
Potential						
Agrimonia incisa Aimophila aestivalis	Incised Groove-bur Bachman's Sparrow	G3 G3	S2 S3	N N	LE N	

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Natural Areas INVENTORY			•	18	51 8
INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Asplenium heteroresiliens	Wagner's Spleenwort	GNA	S1	N	N
Asplenium x curtissii	Curtiss' Spleenwort	GNA	S1	N	N
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	N	LS .
Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	· N	LE
Digitaria floridana	Florida Crabgrass	G1	S1	N	N
Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT
Litsea aestivalis	Pondspice	G3	S2	N s	LE
Matelea floridana	Florida Spiny-pod	G2	. \$2	N -	LE
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N	N
Myotis austroriparius	Southeastern Bat	G3G4	S3	N:	N
Nemastylis floridana	Celestial Lily	G2	S2	.N	LE
Neofiber alleni	Round-tailed Muskrat	G3	S3	N	N
	Striped Newt	G2G3	S2S3	N	N
Notophthalmus perstriatus	Florida Pine Snake	G2G3 G4T3	S233	N	ĹŠ
Pituophis melanoleucus mugitus		G413	S3	N	LS
Podomys floridanus	Florida Mouse				
Pycnanthemum floridanum	Florida Mountain-mint	G3	S3	N	LT
Rana capito	Gopher Frog	G3	S3	N	LS
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS
Spigelia loganioides	Pinkroot	G2Q	S2	N	LE
Stilosoma extenuatum	Short-tailed Snake	G3	S3	N	LT
Matrix Unit ID: 24019 Likely			•		
Aphelocoma coerulescens	Florida Scrub-jay	G2	S2	LT	LT 🧓
Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT
Heterodon simus	Southern Hognose Snake	G2	S2	N·	N .
Sandhill	, ocalination and	G3	S2	N	N
Potential			-	,,	,,
Agrimonia incisa	Incised Groove-bur	G3	S2	N	LE
Aimophila aestivalis	Bachman's Sparrow	-G3	S3	N	N
		GNA	S1	N	N
Asplenium heteroresiliens	Wagner's Spleenwort		S3		
Athene cunicularia floridana	Florida Burrowing Owl	G4T3		- N	LS
Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3	N	LĘ
Digitaria floridana	Florida Crabgrass	G1	S1	N	N
Gopherus polyphemus	Gopher Tortoise	G3	S3	, N	LT .
Matelea floridana	Florida Spiny-pod	G2	S2	N	LE
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3 ·	N	N
Myotis austroriparius	Southeastern Bat	G3G4	S3	N	Ν
Nemastylis floridana	Celestial Lily	G2	S2	N	LE
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	· N	N
Pituophis melanoleucus mugitus	Florida Pine Snake	G4T3	S3	N	LS
Podomys floridanus	Florida Mouse	G3	S3	N	ĹŠ
Rana capito	Gopher Frog	G3	S3	N	LS
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS
Spigelia loganioides	Pinkroot	G2Q	S2	Ň	LE
Opigolia logalilolaes	. and out		<i></i>		

trix Unit ID: 24020

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Natural Areas	•				1851		
INVENTORY Scientific Name	Common Name		Global Rank	State Rank	Federal Status	State Listing	
Likely	,						
Drymarchon couperi	Eastern Indigo Snake		G3	S3	LT	LT	
Potential					٠		
Agrimonia incisa Aimophila aestivalis Asplenium heteroresiliens Athene cunicularia floridana Calopogon multiflorus Digitaria floridana Gopherus polyphemus Heterodon simus Matelea floridana Mustela frenata peninsulae Myotis austroriparius Nemastylis floridana Notophthalmus perstriatus Pituophis melanoleucus mugitus Podomys floridanus Rana capito Sciurus niger shermani Spigelia loganioides	Incised Groove-bur Bachman's Sparrow Wagner's Spleenwort Florida Burrowing Owl Many-flowered Grass-pink Florida Crabgrass Gopher Tortoise Southern Hognose Snake Florida Spiny-pod Florida Long-tailed Weasel Southeastern Bat Celestial Lily Striped Newt Florida Pine Snake Florida Mouse Gopher Frog Sherman's Fox Squirrel Pinkroot		G3 G3 GNA G4T3 G2G3 G1 G3 G2 G5T3 G3G4 G2 G2G3 G4T3 G3 G5T3 G2Q	\$2 \$3 \$1 \$3 \$2\$3 \$1 \$3 \$2 \$2 \$3 \$3 \$2 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	222222222222222	L N N S E N L N L N N N S S S S E	
Matrix Unit ID: 24268						,	
Likely		* * *					
Aphelocoma coerulescens Mesic flatwoods	Florida Scrub-jay		G2 G4	S2 S4	LT N	LT N	
Potential			•	٠.			
Agrimonia incisa Aimophila aestivalis Asplenium heteroresiliens Athene cunicularia floridana Calopogon multiflorus Digitaria floridana Drymarchon couperi Gopherus polyphemus Heterodon simus Matelea floridana Mustela frenata peninsulae Myotis austroriparius Nemastylis floridana Neofiber alleni Notophthalmus perstriatus Picoides borealis Pituophis melanoleucus mugitus Podomys floridanus Pteroglossaspis ecristata	Incised Groove-bur Bachman's Sparrow Wagner's Spleenwort Florida Burrowing Owl Many-flowered Grass-pink Florida Crabgrass Eastern Indigo Snake Gopher Tortoise Southern Hognose Snake Florida Spiny-pod Florida Long-tailed Weasel Southeastern Bat Celestial Lily Round-tailed Muskrat Striped Newt Red-cockaded Woodpecker Florida Pine Snake Florida Mouse Giant Orchid		G3 G3 GNA G4T3 G2G3 G1 G3 G2 G5T3 G3G4 G2 G3 G2G3 G4T3 G3 G2G3	\$2 \$3 \$1 \$3 \$2\$3 \$1 \$3 \$3 \$2 \$3 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	zzzzzzzzzzzzzzzzzzzz	E N N S E N T T N E N N E N N S E N S E N	

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





Natural Areas		•	•	18	51
INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Rana capito	Gopher Frog	. G3	\$3	N	LS
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS
Stilosoma extenuatum	Short-tailed Snake	G3	S3	N	LT
Matrix Unit ID: 24272					
Likely					
Aphelocoma coerulescens	Florido Comitino	00	60		
	Florida Scrub-jay	G2	S2	LT	LT
Drymarchon couperi	Eastern Indigo Snake	- G3	S3 -	LT	LT
Heterodon simus	Southern Hognose Snake	G2	S2	N	N
Sandhill		G3	S2	N	N
Scrub		G2	S2	N	N
Potential					
Agrimonia incisa	Incised Groove-bur	-G3	S2	N	LE
Aimophila aestivalis	Bachman's Sparrow	G3	S3	N	N .
Asplenium heteroresiliens	Wagner's Spleenwort	GNA	S.1	N	N
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	N	LS
Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3	N	LE
Dicerandra cornutissima	Longspurred Mint	G1	S1	ĹÈ	LE
Digitaria floridana	Florida Crabgrass	G1	S1.	N	N
Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT
		G2	S2		LE
Matelea floridana	Florida Spiny-pod			N	
Monotropsis reynoldsiae	Pygmy Pipes	G1Q	S1	N	LE
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N	N
Myotis austroriparius	Southeastern Bat	G3G4	S3	N	N.
Nemastylis floridana	Celestial Lily	G2	S2	N:	LE
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	Ν	N
Pituophis melanoleucus mugitus	Florida Pine Snake	G4T3	, S3	N	LS
Podomys floridanus	Florida Mouse	G3	S3	N	LS
Rana capito	Gopher Frog	G3	S3	N	LS
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS
Spigelia loganioides	Pinkroot	G2Q	Ş2	N.	LE
		•			
Matrix Unit ID: 24273				•	
Likely		•			* 1
Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT
Sandhill		G3	S2	N	N
Scrub		G2 .	S2	- N	N
Potential					
Agrimonia incisa	Incised Groove-bur	G3	S2	N	LE
Aimophila aestivalis	Bachman's Sparrow	G3	`S3	Ń	N
Aphelocoma coerulescens	Florida Scrub-jay	G2	S2.	LT	LT
Asplenium heteroresiliens	Wagner's Spleenwort	GNA	S1	Ν	N
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S 3	Ň	LS
Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3	N	LE
Dicerandra cornutissima	Longspurred Mint	G1	S1	ĹĚ	LE
Digitaria floridana	Florida Crabgrass	G1	S1	N.	N
Signalia nondana	i ionida Orabyrass	. J	U 1	1.4	1.4

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.

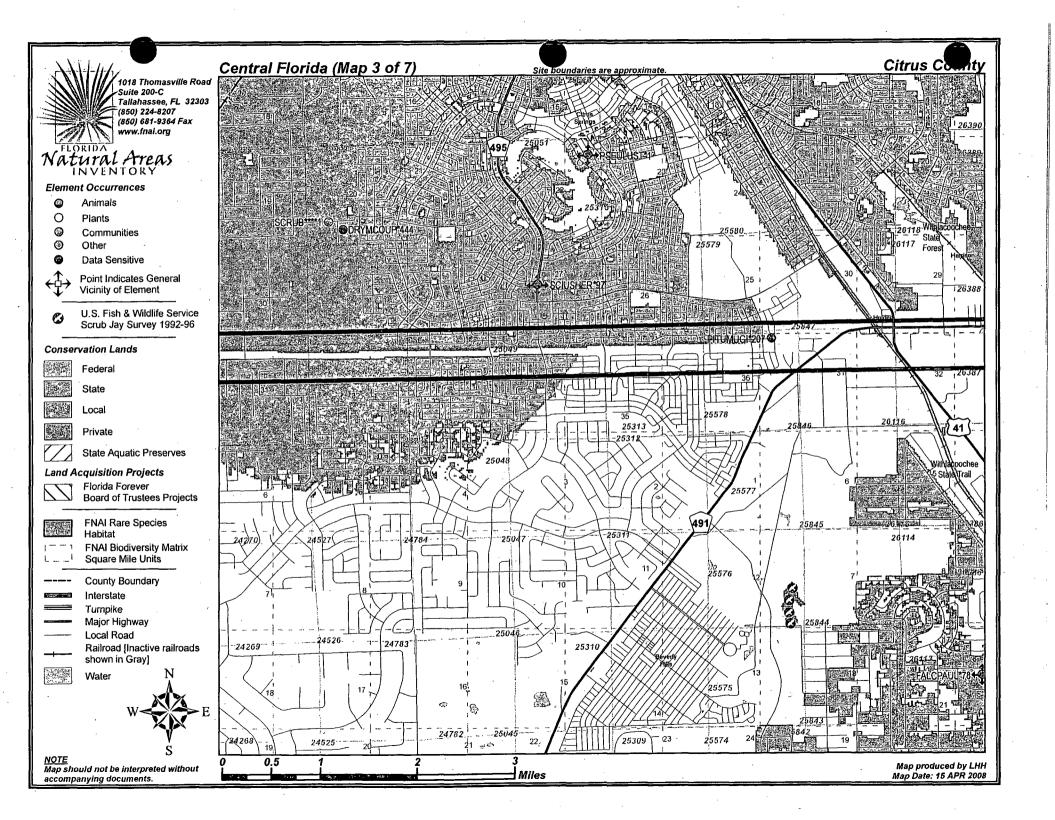
Likely - Rare species and natural communities likely to occur on this site based on suitable habitat and/or known occurrences in the vicinity. Potential - This site lies within the known or predicted range of the species listed.



Biodiversity Matrix Report



INVENTORY	Camman Nama	Global Rank	State Rank	Federal Status	State Listing
Scientific Name	Common Name	Railk	Kalik	Status	Lisung
Gopherus polyphemus	Gopher Tortoise	G3	S3	Ν	LT.
Heterodon simus	Southern Hognose Snake	G2	S2	N	N
Matelea floridana	Florida Spiny-pod	G2	S2	N	LE
Monotropsis reynoldsiae	Pygmy Pipes	G1Q	S1	N	LE
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3 .	N	N
Myotis austroriparius	Southeastern Bat	G3G4	S 3	N	N
Nemastylis floridana	Celestial Lily	G2	S2	- N	LE
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N	N
Pituophis melanoleucus mugitus	Florida Pine Snake	G4T3	S3	N	LS
Podomys floridanus	Florida Mouse	- G3	S3.	N	LS
Rana capito	Gopher Frog	G3	S3	N	LS
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N .	LS
Spigelia loganioides	Pinkroot	G2Q	S2	N	LE







INVENT	TORY		Global	State	Federal	State	Observation	1	
Map Label	Scientific Name	Common Name	Rank	Rank	Status	Listing	Date	Description	EO Comments
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
DRYMCOUP*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	\$3	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	Pseudobranchus striatus lustricolus	Gulf Hammock Dwarf Siren	G5T1	S1°	N	N	ZZ	No general description given	10 specimens (UK-89907-16), collector and date not avaiable.
FALCPAUL*78	Falco sparverius paulus	Southeastern American Kestrel	G5T4	S 3	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).





Natural Areas		•		18	51 8
INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Matrix Unit ID: 24268				•	
Likely					
Aphelocoma coerulescens Mesic flatwoods	Florida Scrub-jay	G2 G4	S2 S4	LT N	LT ·
Potential					
Agrimonia incisa Aimophila aestivalis Asplenium heteroresiliens Athene cunicularia floridana Calopogon multiflorus Digitaria floridana Drymarchon couperi Gopherus polyphemus Heterodon simus Matelea floridana Mustela frenata peninsulae Myotis austroriparius Nemastylis floridana Neofiber alleni Notophthalmus perstriatus Picoides borealis Pituophis melanoleucus mugitus Podomys floridanus Pteroglossaspis ecristata Rana capito Sciurus niger shermani Stilosoma extenuatum	Incised Groove-bur Bachman's Sparrow Wagner's Spleenwort Florida Burrowing Owl Many-flowered Grass-pink Florida Crabgrass Eastern Indigo Snake Gopher Tortoise Southern Hognose Snake Florida Spiny-pod Florida Long-tailed Weasel Southeastern Bat Celestial Lily Round-tailed Muskrat Striped Newt Red-cockaded Woodpecker Florida Pine Snake Florida Mouse Giant Orchid Gopher Frog Sherman's Fox Squirrel Short-tailed Snake	G3 G3 GNA G4T3 G2G3 G1 G3 G3 G2 G5T3 G3G4 G2 G3 G4T3 G3 G4T3 G3 G2G3 G3 G5T3 G3	\$2 \$3 \$1 \$3 \$2\$3 \$1 \$3 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	zzzzz Tzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzz	LE N N S LE N L' L' N N LE N N S LE N L' L' L' S L'
Likely			*		•
Aphelocoma coerulescens Drymarchon couperi Heterodon simus Sandhill Scrub	Florida Scrub-jay Eastern Indigo Snake Southern Hognose Snake	G2 G3 G2 G3 G2	S2 S3 S2 S2 S2	LT LT N N	LT LT N N
Potential					
Agrimonia incisa Aimophila aestivalis Asplenium heteroresiliens Athene cunicularia floridana Calopogon multiflorus Dicerandra comutissima Digitaria floridana Gopherus polyphemus Matelea floridana Monotropsis reynoldsiae	Incised Groove-bur Bachman's Sparrow Wagner's Spleenwort Florida Burrowing Owl Many-flowered Grass-pink Longspurred Mint Florida Crabgrass Gopher Tortoise Florida Spiny-pod Pygmy Pipes	G3 G3 GNA G4T3 G2G3 G1 G1 G3 G2 G1Q	\$2 \$3 \$1 \$3 \$2\$3 \$1 \$1 \$3 \$2 \$1	ZZZZEZZZZ	LE N N S LE LE N T LE LE

Definitions: Documented - Rare species and natural communities documented on or near this site.



Biodiversity Matrix Report



Natural Areas				10	31/
INVENTORY		Global	State	Federal	State
Scientific Name	Common Name	Rank	Rank	Status	Listing
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N	N
Myotis austroriparius	Southeastern Bat	G3G4	S3	N	N
Nemastylis floridana	Celestial Lily	G2	S2	N.	LE
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N ·	N
Pituophis melanoleucus mugitus	Florida Pine Snake	G4T3	S3	· N	LS
Podomys floridanus	Florida Mouse	G3	S3	N	LS
Rana capito	Gopher Frog	G3	S3	N	LS
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3 -	Ň	LS
Spigelia loganioides	Pinkroot	G2Q	S2	N	LE
Matrix Unit ID: 24273					
Likely			`		
Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT ·
Sandhill	- · · · · · · · · · · · · · · · · · · ·	G3	S2	Ν.	N
Scrub	· ·	G2	S2	Ν	N
Potential				•	
Agrimonia incisa	Incised Groove-bur	G3	S2	N	LE
Aimophila aestivalis	Bachman's Sparrow	G3	S3	N	N
Aphelocoma coerulescens	Florida Scrub-jay	G2	S2	LT	LT
Asplenium heteroresiliens	Wagner's Spleenwort	GNA	S1	Ν	N
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	- S3	N	LS
Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3	N	LE
Dicerandra cornutissima	Longspurred Mint	G1	S 1	LE	LE
Digitaria floridana	Florida Crabgrass	G1	S1	N	N
Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT
Heterodon simus	Southern Hognose Snake	. G2	S2	N	N
Matelea floridana	Florida Spiny-pod	G2	. S2	N	LE
Monotropsis reynoldsiae	Pygmy Pipes	G1Q	S1	. N	LE
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	· N	N
Myotis austroriparius	Southeastern Bat	G3G4	√ S3	Ņ	N
Nemastylis floridana	Celestial Lily	[*] G2	S2 -	N	LE
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N	N
Pituophis melanoleucus mugitus	Florida Pine Snake	G4T3	S3	N	LS
Podomys floridanus	Florida Mouse	G3	S3	N.	LS
Rana capito	Gopher Frog	G3	S3	N	LS
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS
Spigelia loganioides	Pinkroot	G2Q	S2	N	LE
Matrix Unit ID: 24529					
Likely					
Aphelocoma coerulescens	Florida Scrub-jay	G2	S2	LT	LΤ
Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT
Heterodon simus	Southern Hognose Snake	G2	S2	N	N
Sandhill	-	G3	S2	. N	N
Scrub		G2	S2	N	N
Potential				•	
- Storidar					

Definitions: Documented - Rare species and natural communities documented on or near this site.





INVENTORY Scientific Name	Common Name		Global Rank	State Rank	Federal Status	State Listing
Agrimonia incisa	Incised Groove-bur		- G3	S2	N	LE
Aimophila aestivalis	Bachman's Sparrow		G3	S3	N	• N
Asplenium heteroresiliens	Wagner's Spleenwort		GNA	S1	N	N
Athene cunicularia floridana	Florida Burrowing Owl	•	G4T3	S3	N	LS
Calopogon multiflorus	Many-flowered Grass-pink		G2G3	S2S3	N	LE
Dicerandra cornutissima	Longspurred Mint		G1	S1	LE	· LE
Digitaria floridana	Florida Crabgrass		G1	S 1.	N	N
Gopherus polyphemus	Gopher Tortoise		G3 ^{°°}	S3	N	ŁТ
Matelea floridana	Florida Spiny-pod		G2	S2	N	LE
Monotropsis reynoldsiae	Pygmy Pipes		G1Q	S1	N	LE
Mustela frenata peninsulae	Florida Long-tailed Weasel		G5T3 ·	S3	N	N
Myotis austroriparius	Southeastern Bat		G3G4	· S3	N	N
Notophthalmus perstriatus	Striped Newt		G2G3	S2S3	N	N
Pituophis melanoleucus mugitus	Florida Pine Snake		G4T3	S3	. N	LS
Podomys floridanus	Florida Mouse		G3	S3	N	LS
Rana capito	Gopher Frog		G3	S3	N	LS
Sciurus niger shermani	Sherman's Fox Squirrel		G5T3	S3	N	LS
Spigelia loganioides	Pinkroot	,	G2Q	S2	N	LE
ikely						
_ ·			00	· S3	1.7	LT
Drymarchon couperi	Eastern Indigo Snake		G3		LT	
Mesic flatwoods	Eastern Indigo Snake	4.	G4 -	S4	N	N
	Eastern Indigo Snake	**				
Mesic flatwoods Scrub	Eastern Indigo Snake	- N	G4 -	S4	N	N
Mesic flatwoods Scrub Potential	Eastern Indigo Snake Incised Groove-bur		G4 G2	\$4 \$2	N N	N N
Mesic flatwoods Scrub Potential Agrimonia incisa	Incised Groove-bur		G4 G2 G3	\$4 \$2 \$2	N N	N N LE
Mesic flatwoods Scrub Potential Agrimonia incisa Aimophila aestivalis	Incised Groove-bur Bachman's Sparrow		G4 G2 G3 G3	\$4 \$2 \$2 \$3	N N N	N N LE N
Mesic flatwoods Scrub Potential Agrimonia incisa	Incised Groove-bur Bachman's Sparrow Florida Scrub-jay		G4 G2 G3	\$4 \$2 \$2	N N N N LT	N N LE N LT
Mesic flatwoods Scrub Potential Agrimonia incisa Aimophila aestivalis Aphelocoma coerulescens	Incised Groove-bur Bachman's Sparrow Florida Scrub-jay Wagner's Spleenwort		G4 G2 G3 G3 G2	\$4 \$2 \$2 \$3 \$2 \$1	N N N LT N	N N LE N LT N
Mesic flatwoods Scrub Potential Agrimonia incisa Aimophila aestivalis Aphelocoma coerulescens Asplenium heteroresiliens Athene cunicularia floridana	Incised Groove-bur Bachman's Sparrow Florida Scrub-jay Wagner's Spleenwort Florida Burrowing Owl		G4 G2 G3 G3 G2 GNA G4T3	\$4 \$2 \$2 \$3 \$2 \$1 \$3	N N N LT N N	N N LE N LT N LS
Mesic flatwoods Scrub Potential Agrimonia incisa Aimophila aestivalis Aphelocoma coerulescens Asplenium heteroresiliens	Incised Groove-bur Bachman's Sparrow Florida Scrub-jay Wagner's Spleenwort Florida Burrowing Owl Many-flowered Grass-pink		G4 G2 G3 G3 G2 GNA G4T3 G2G3	\$4 \$2 \$2 \$3 \$2 \$1	N N N LT N	N N LE N LT N
Mesic flatwoods Scrub Potential Agrimonia incisa Aimophila aestivalis Aphelocoma coerulescens Asplenium heteroresiliens Athene cunicularia floridana Calopogon multiflorus	Incised Groove-bur Bachman's Sparrow Florida Scrub-jay Wagner's Spleenwort Florida Burrowing Owl Many-flowered Grass-pink Longspurred Mint		G4 G2 G3 G3 G2 GNA G4T3	\$4 \$2 \$3 \$2 \$1 \$3 \$2\$3	N N N LT N N	N N LE NT N LS LE LE
Mesic flatwoods Scrub Potential Agrimonia incisa Aimophila aestivalis Aphelocoma coerulescens Asplenium heteroresiliens Athene cunicularia floridana Calopogon multiflorus Dicerandra comutissima Digitaria floridana	Incised Groove-bur Bachman's Sparrow Florida Scrub-jay Wagner's Spleenwort Florida Burrowing Owl Many-flowered Grass-pink Longspurred Mint Florida Crabgrass		G4 G2 G3 G3 G2 GNA G4T3 G2G3 G1	\$4 \$2 \$3 \$2 \$1 \$3 \$2\$3 \$2\$3	N N N LT N N LT	N N LE N LT N LS LE LE N
Mesic flatwoods Scrub Potential Agrimonia incisa Aimophila aestivalis Aphelocoma coerulescens Asplenium heteroresiliens Athene cunicularia floridana Calopogon multiflorus Dicerandra comutissima	Incised Groove-bur Bachman's Sparrow Florida Scrub-jay Wagner's Spleenwort Florida Burrowing Owl Many-flowered Grass-pink Longspurred Mint		G4 G2 G3 G3 G2 GNA G4T3 G2G3 G1 G1	\$4 \$2 \$3 \$2 \$1 \$3 \$2\$3 \$1 \$1 \$3	N N N N N N N N N N N N N N N N N N N	N N LE NT N LS LE LE
Mesic flatwoods Scrub Potential Agrimonia incisa Aimophila aestivalis Aphelocoma coerulescens Asplenium heteroresiliens Athene cunicularia floridana Calopogon multiflorus Dicerandra comutissima Digitaria floridana Gopherus polyphemus	Incised Groove-bur Bachman's Sparrow Florida Scrub-jay Wagner's Spleenwort Florida Burrowing Owl Many-flowered Grass-pink Longspurred Mint Florida Crabgrass Gopher Tortoise Southern Hognose Snake		G4 G2 G3 G3 G2 GNA G4T3 G2G3 G1 G1 G3	\$4 \$2 \$3 \$2 \$1 \$3 \$2\$3 \$1 \$1	N N N T N N N E N	N N LE N LT N LS LE N LT
Mesic flatwoods Scrub Potential Agrimonia incisa Aimophila aestivalis Aphelocoma coerulescens Asplenium heteroresiliens Athene cunicularia floridana Calopogon multiflorus Dicerandra comutissima Digitaria floridana Gopherus polyphemus Heterodon simus	Incised Groove-bur Bachman's Sparrow Florida Scrub-jay Wagner's Spleenwort Florida Burrowing Owl Many-flowered Grass-pink Longspurred Mint Florida Crabgrass Gopher Tortoise Southern Hognose Snake Florida Spiny-pod		G4 G2 G3 G3 G2 GNA G4T3 G2G3 G1 G1 G3 G2	\$4 \$2 \$3 \$2 \$1 \$3 \$2\$3 \$1 \$1 \$3 \$2	N N N N N N N N N N N N N N N N N N N	N N LE NT N LS LE NT N
Mesic flatwoods Scrub Potential Agrimonia incisa Aimophila aestivalis Aphelocoma coerulescens Asplenium heteroresiliens Athene cunicularia floridana Calopogon multiflorus Dicerandra comutissima Digitaria floridana Gopherus polyphemus Heterodon simus Matelea floridana Monotropsis reynoldsiae	Incised Groove-bur Bachman's Sparrow Florida Scrub-jay Wagner's Spleenwort Florida Burrowing Owl Many-flowered Grass-pink Longspurred Mint Florida Crabgrass Gopher Tortoise Southern Hognose Snake Florida Spiny-pod Pygmy Pipes		G4 G2 G3 G3 G2 GNA G4T3 G2G3 G1 G3 G2 G2 G1Q	\$4 \$2 \$3 \$2 \$1 \$3 \$2\$3 \$1 \$1 \$3 \$2 \$3 \$2 \$3	ZZ ZZZZZZZZZZZZZZZ	NN LENTNUELENTNUELE
Mesic flatwoods Scrub Potential Agrimonia incisa Aimophila aestivalis Aphelocoma coerulescens Asplenium heteroresiliens Athene cunicularia floridana Calopogon multiflorus Dicerandra cornutissima Digitaria floridana Gopherus polyphemus Heterodon simus Matelea floridana	Incised Groove-bur Bachman's Sparrow Florida Scrub-jay Wagner's Spleenwort Florida Burrowing Owl Many-flowered Grass-pink Longspurred Mint Florida Crabgrass Gopher Tortoise Southern Hognose Snake Florida Spiny-pod Pygmy Pipes Florida Long-tailed Weasel		G4 G2 G3 G3 G2 GNA G4T3 G2G3 G1 G3 G2 G2 G1Q G5T3	\$4 \$2 \$3 \$2 \$1 \$3 \$2 \$3 \$1 \$1 \$3 \$2 \$3 \$2 \$3 \$1 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	ZZ ZZZZZZZZZZZZZZZZ	NN ENTREENTREER
Mesic flatwoods Scrub Potential Agrimonia incisa Aimophila aestivalis Aphelocoma coerulescens Asplenium heteroresiliens Athene cunicularia floridana Calopogon multiflorus Dicerandra comutissima Digitaria floridana Gopherus polyphemus Heterodon simus Matelea floridana Monotropsis reynoldsiae Mustela frenata peninsulae	Incised Groove-bur Bachman's Sparrow Florida Scrub-jay Wagner's Spleenwort Florida Burrowing Owl Many-flowered Grass-pink Longspurred Mint Florida Crabgrass Gopher Tortoise Southern Hognose Snake Florida Spiny-pod Pygmy Pipes Florida Long-tailed Weasel Southeastern Bat		G4 G2 G3 G3 G2 GNA G4T3 G2G3 G1 G1 G3 G2 G2 G1Q G5T3 G3G4	\$4 \$2 \$3 \$2 \$3 \$2 \$1 \$3 \$2 \$3 \$1 \$3 \$2 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	ZZ ZZZZEZZZZZZZZZZ	NN ENTREENTREER
Mesic flatwoods Scrub Potential Agrimonia incisa Aimophila aestivalis Aphelocoma coerulescens Asplenium heteroresiliens Athene cunicularia floridana Calopogon multiflorus Dicerandra cornutissima Digitaria floridana Gopherus polyphemus Heterodon simus Matelea floridana Monotropsis reynoldsiae Mustela frenata peninsulae Myotis austroriparius Notophthalmus perstriatus	Incised Groove-bur Bachman's Sparrow Florida Scrub-jay Wagner's Spleenwort Florida Burrowing Owl Many-flowered Grass-pink Longspurred Mint Florida Crabgrass Gopher Tortoise Southern Hognose Snake Florida Spiny-pod Pygmy Pipes Florida Long-tailed Weasel Southeastern Bat Striped Newt		G4 G2 G3 G3 G2 GNA G4T3 G2G3 G1 G1 G2 G2 G1Q G5T3 G3G4 G2G3	\$4 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$1 \$3 \$2 \$2 \$1 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$3 \$3 \$4 \$5 \$4 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5	zz zzzzmzzzzzzz	NN ENTREENTREENNN
Mesic flatwoods Scrub Potential Agrimonia incisa Aimophila aestivalis Aphelocoma coerulescens Asplenium heteroresiliens Athene cunicularia floridana Calopogon multiflorus Dicerandra cornutissima Digitaria floridana Gopherus polyphemus Heterodon simus Matelea floridana Monotropsis reynoldsiae Mustela frenata peninsulae Myotis austroriparius Notophthalmus perstriatus Pituophis melanoleucus mugitus	Incised Groove-bur Bachman's Sparrow Florida Scrub-jay Wagner's Spleenwort Florida Burrowing Owl Many-flowered Grass-pink Longspurred Mint Florida Crabgrass Gopher Tortoise Southern Hognose Snake Florida Spiny-pod Pygmy Pipes Florida Long-tailed Weasel Southeastern Bat Striped Newt Florida Pine Snake		G4 G2 G3 G3 G2 GNA G4T3 G2G3 G1 G1 G3 G2 G1Q G5T3 G3G4 G2G3 G4T3	\$4 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$1 \$3 \$2 \$2 \$1 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	zz zzzzzűzzzzzzzz	NN ENTREENTREENRYS
Mesic flatwoods Scrub Potential Agrimonia incisa Aimophila aestivalis Aphelocoma coerulescens Asplenium heteroresiliens Athene cunicularia floridana Calopogon multiflorus Dicerandra cornutissima Digitaria floridana Gopherus polyphemus Heterodon simus Matelea floridana Monotropsis reynoldsiae Mustela frenata peninsulae Myotis austroriparius Notophthalmus perstriatus Pituophis melanoleucus mugitus Podomys floridanus	Incised Groove-bur Bachman's Sparrow Florida Scrub-jay Wagner's Spleenwort Florida Burrowing Owl Many-flowered Grass-pink Longspurred Mint Florida Crabgrass Gopher Tortoise Southern Hognose Snake Florida Spiny-pod Pygmy Pipes Florida Long-tailed Weasel Southeastern Bat Striped Newt Florida Pine Snake Florida Mouse		G4 G2 G3 G3 G2 GNA G4T3 G2G3 G1 G1 G3 G2 G2 G1Q G5T3 G3G4 G2G3 G4T3 G3	\$4 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$1 \$3 \$2 \$2 \$1 \$3 \$2 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	zz zzzzzzűzzzzzzzz	NN ENTREENTREERNESS
Mesic flatwoods Scrub Potential Agrimonia incisa Aimophila aestivalis Aphelocoma coerulescens Asplenium heteroresiliens Athene cunicularia floridana Calopogon multiflorus Dicerandra cornutissima Digitaria floridana Gopherus polyphemus Heterodon simus Matelea floridana Monotropsis reynoldsiae Mustela frenata peninsulae Myotis austroriparius Notophthalmus perstriatus Pituophis melanoleucus mugitus	Incised Groove-bur Bachman's Sparrow Florida Scrub-jay Wagner's Spleenwort Florida Burrowing Owl Many-flowered Grass-pink Longspurred Mint Florida Crabgrass Gopher Tortoise Southern Hognose Snake Florida Spiny-pod Pygmy Pipes Florida Long-tailed Weasel Southeastern Bat Striped Newt Florida Pine Snake		G4 G2 G3 G3 G2 GNA G4T3 G2G3 G1 G1 G3 G2 G1Q G5T3 G3G4 G2G3 G4T3	\$4 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$1 \$3 \$2 \$2 \$1 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	zz zzzzzűzzzzzzzz	NN EXTRUERTREERRES

ptrix Unit ID: 24786

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





Natural Areas		/				10	31
INVENTORY Scientific Name	Commo	n Name			State Rank	Federal Status	State Listing
Likely		,					
Aphelocoma coerulescens Drymarchon couperi Scrub	Florida S Eastern	Scrub-jay Indigo Snake	a(G2 G3 G2	S2 S3 S2	LT LT N	LT LT N
Potential				•			
Agrimonia incisa Aimophila aestivalis Asplenium heteroresiliens Athene cunicularia floridana Calopogon multiflorus Dicerandra cornutissima Digitaria floridana Gopherus polyphemus Heterodon simus Litsea aestivalis Matelea floridana Monotropsis reynoldsiae Mustela frenata peninsulae Nolina atopocarpa Notophthalmus perstriatus Podomys floridanus Rana capito Sciurus niger shermani Spigelia loganioides Stilosoma extenuatum	Bachma Wagner' Florida E Many-flo Longspu Florida C Gopher' Southerr Pondspi Florida S Pygmy F Florida E Striped N Florida M Gopher I Shermar Pinkroot	n Hognose Snake ce Spiny-pod Pipes Long-tailed Weasel Beargrass Newt Mouse Frog n's Fox Squirrel	G G G G G	G1 G3 G2 G3 G2 G1Q 5T3 G3	\$2 \$3 \$1 \$3 \$2 \$3 \$1 \$3 \$2 \$2 \$2 \$2 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	zzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzz	ENNSEENTNEEENTRSSSET
Matrix Unit ID: 24787	•		•		•		
Likely Drymarchon couperi Sciurus niger shermani Scrub		Indigo Snake n's Fox Squirrel	G	G3 55T3 G2	\$3 \$3 \$2	LT N N	LT LS N
Potential				•	. •		
Agrimonia incisa Aimophila aestivalis Aphelocoma coerulescens Asplenium heteroresiliens Athene cunicularia floridana Calopogon multiflorus Dicerandra cornutissima Digitaria floridana Gopherus polyphemus Heterodon simus Litsea aestivalis Matelea floridana Monotropsis reynoldsiae Mustela frenata peninsulae	Bachma Florida S Wagner' Florida E Many-flo Longspu Florida G Gopher Souther Pondspi Florida S Pygmy F	Spiny-pod	(G	G3 G3 G2 GNA 64T3 62G3 G1 G3 G2 G3 G2 G1Q 65T3	\$2 \$3 \$2 \$1 \$3 \$2\$3 \$1 \$1 \$3 \$2 \$2 \$2 \$2 \$2 \$3	zzzzzzzzzzzzzzzzzzzzzzzzz	E N L N L E L E L N L E L E L N L E L E

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Page 4 of 12





Natural Areas	•			. 18	<u>51</u>
INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Myotis austroriparius Nolina atopocarpa Notophthalmus perstriatus Pituophis melanoleucus mugitus Podomys floridanus Rana capito Spigelia loganioides Stilosoma extenuatum	Southeastern Bat Florida Beargrass Striped Newt Florida Pine Snake Florida Mouse Gopher Frog Pinkroot Short-tailed Snake	G3G4 G3 G2G3 G4T3 G3 G3 G2Q G3	\$3 \$3 \$2\$3 \$3 \$3 \$3 \$3 \$2 \$3	222222	N LT N LS LS LS LE LT
Matrix Unit ID: 25049					
Likely					
Drymarchon couperi Sciurus niger shermani	Eastern Indigo Snake Sherman's Fox Squirrel	G3 G5T3	S3 S3	LT N	LT LS
Potential		•			
Agrimonia incisa Aimophila aestivalis Asplenium heteroresiliens Athene cunicularia floridana Calopogon multiflorus Digitaria floridana Gopherus polyphemus Heterodon simus Litsea aestivalis Matelea floridana Mustela frenata peninsulae Myotis austroriparius Nolina atopocarpa Notophthalmus perstriatus Podomys floridanus Rana capito Spigelia loganioides Stilosoma extenuatum	Incised Groove-bur Bachman's Sparrow Wagner's Spleenwort Florida Burrowing Owl Many-flowered Grass-pink Florida Crabgrass Gopher Tortoise Southern Hognose Snake Pondspice Florida Spiny-pod Florida Long-tailed Weasel Southeastern Bat Florida Beargrass Striped Newt Florida Mouse Gopher Frog Pinkroot Short-tailed Snake	G3 G3 GNA G4T3 G2G3 G1 G3 G2 G5T3 G3G4 G3 G2G3 G3 G3 G3 G3 G3 G3	\$2 \$3 \$1 \$3 \$2\$3 \$1 \$3 \$2 \$2 \$2 \$3 \$3 \$3 \$2\$3 \$3 \$2\$3 \$3 \$2\$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$	2222222222222222	L N N S E N T N E E N N T N S S E I T
Matrix Unit ID: 25050					
Likely Drymarchon couperi Sciurus niger shermani	Eastern Indigo Snake Sherman's Fox Squirrel	G3 G5T3	S3 S3	LT N	LT LS
Potential	·				•
Agrimonia incisa Aimophila aestivalis Asplenium heteroresiliens Athene cunicularia floridana Calopogon multiflorus Digitaria floridana Gopherus polyphemus Heterodon simus	Incised Groove-bur Bachman's Sparrow Wagner's Spleenwort Florida Burrowing Owl Many-flowered Grass-pink Florida Crabgrass Gopher Tortoise Southern Hognose Snake	G3 G3 GNA G4T3 G2G3 G1 G3 G2	\$2 \$3 \$1 \$3 \$2\$3 \$1 \$3 \$2	22222	LE N N LS LE N L

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Natural Areas				18	51 8
INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Litsea aestivalis	Pondspice	G3	S2	N	LE
Matelea floridana	Florida Spiny-pod	G2	S2	N	LE
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	, N	N
Myotis austroriparius	Southeastern Bat	G3G4	S3	N	N
Nolina atopocarpa	Florida Beargrass	G3	S3	N	LT
Notophthalmus perstriatus	Striped Newt	G2G3	\$2\$3	N	N
Pituophis melanoleucus mugitus	Florida Pine Snake	G4T3	S3	N	LS
Podomys floridanus	Florida Mouse	G3	S3	N	LS
Rana capito	Gopher Frog	G3	\$3	N	ĹŠ
Spigelia loganioides	Pinkroot	G2Q	S2	N	LE
Stilosoma extenuatum	Short-tailed Snake	G3	·S3	N	LT
atrix Unit ID: 25313					
Likely					
Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT
Mesic flatwoods		G4	S4	N	N
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	\$3	N	LS
Potential					
Agrimonia incisa	Incised Groove-bur	G3	· S2	¹ N	LE
Aimophila aestivalis	Bachman's Sparrow	G3	S3	N	N
Asplenium heteroresiliens	Wagner's Spieenwort	GNA	S 1	N	N
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	Ν	LS
Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3	N	LE
Digitaria floridana	Florida Crabgrass	. G1	S1	N	N
Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT
Heterodon simus	Southern Hognose Snake	G2	S2	Ñ	N
Litsea aestivalis	Pondspice	G3	S2	Ň	LE
Matelea floridana	Florida Spiny-pod	G2	S2	N.	LE
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	Ň	N
Myotis austroriparius	Southeastern Bat	G3G4	S3	N	N
Nolina atopocarpa	Florida Beargrass	G3	S3	N	LT
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N	N.
	Florida Pine Snake	G4T3	S3	N	ĹS
Pituophis melanoleucus mugitus		G3	S3	N	LS
Podomys floridanus	Florida Mouse	G3	S3	N	LS
Rana capito Spigelia loganioides	Gopher Frog Pinkroot	G2Q	S2	N	LS
atrix Unit ID: 25314		•		•	
Likely					-
Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT
Mesic flatwoods		G4	S4	N.	N.
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS
Potential		•	4		
Agrimonia incisa	Incised Groove-bur	G3	S2	N	LE
Aimophila aestivalis	Bachman's Sparrow	G3	S3	N	N
Asplenium heteroresiliens	Wagner's Spleenwort	GNA	S1	N	N

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Page 6 of 12 04/15/2008





Natural Areas	•			10	31/0
INVENTORY		Global	State	Federal	State
Scientific Name	Common Name	Rank	Rank	Status	Listing
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	N	LS
Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3	N	LE
Digitaria floridana	Florida Crabgrass	G1	S1	N	N
Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT
Heterodon simus	Southern Hognose Snake	Ģ2	S2	N	N
Litsea aestivalis	Pondspice	G3	S2	N	LE
Matelea floridana	Florida Spiny-pod	G2 .	S2	N	LE
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N	N
Myotis austroriparius	Southeastern Bat	G3G4	S3	N	N
Nolina atopocarpa	Florida Beargrass	G3.	. S3	N	LT
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N	N
Pituophis melanoleucus mugitus	Florida Pine Snake	G4T3	S3	N.	LS
Podomys floridanus	Florida Mouse	G3	S3	N	LS
Rana capito	Gopher Frog	G3	S3	N	LS
Spigelia loganioides	Pinkroot	. G2Q	S2	N	LE
Stilosoma extenuatum	Short-tailed Snake	G3 ·	´S3	N .	LŤ
	`				
Matrix Unit ID: 25578			,		
Likely				•	
Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT
Potential					
Agrimonia incisa	Incised Groove-bur	G3	S2	N	LE
Aimophila aestivalis	Bachman's Sparrow	G3	S3	N	N
Aphelocoma coerulescens	Florida Scrub-jay	G2	S2	ĹŤ	LT
Asplenium heteroresiliens	Wagner's Spleenwort	GNA	S1	N	N
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	N	LS
Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3	N	LE
Dicerandra cornutissima	Longspurred Mint	G1	S1	LE	LE.
Digitaria floridana	Florida Crabgrass	G1	S1	N	N
Gopherus polyphemus	Gopher Tortoise	G3 ·	S3	N	LT
Heterodon simus	Southern Hognose Snake	G2	S2	. N	N
Litsea aestivalis	Pondspice	G3	S2	. N	LE
Matelea floridana	Florida Spiny-pod	G2	S2	N	LE
Monotropsis reynoldsiae	Pygmy Pipes	G1Q	S1	N	LE
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N	N
Myotis austroriparius	Southeastern Bat	G3G4	S3	N	N
Nolina atopocarpa	Florida Beargrass	G3	S3	N	LŢ
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N	N
Pituophis melanoleucus mugitus	Florida Pine Snake	G4T3	S3	N	LS
Podomys floridanus	Florida Mouse	G3	S3	N	LS
Rana capito	Gopher Frog	G3	S3	N	LS
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N .	LS
Matrix Unit ID: 25579		м			
Likely					
Drymarchon couperi Mesic flatwoods	Eastern Indigo Snake	G3 G4	S3 S4	LT N	LT N
WIESIC HALWOODS			J-4	14	1.4

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Global State Federal State Status Scientific Name Common Name Rank Rank Listing G3 S2 Sandhill **Potential** Agrimonia incisa Incised Groove-bur G3 S2 N LE Bachman's Sparrow G3 S3 Ν Ν Aimophila aestivalis **GNA** S1 Ν Ν Wagner's Spleenwort Asplenium heteroresiliens G4T3 S3 LS Florida Burrowing Owl Ν Athene cunicularia floridana Many-flowered Grass-pink G2G3 **S2S3** Ν LE Calopogon multiflorus S1 N Ν Digitaria floridana Florida Crabgrass G1 **S3** N LT Gopherus polyphemus **Gopher Tortoise** G3 Heterodon simus Southern Hognose Snake G2 S2 N Ν G3 S2 LE Litsea aestivalis **Pondspice** N G2 S2 LE Florida Spiny-pod Ň Matelea floridana **S3** Mustela frenata peninsulae Florida Long-tailed Weasel G5T3 Ν Ν **S3** G3G4 Ν Myotis austroriparius Southeastern Bat N G3 **S3** LT Nolina atopocarpa Florida Beargrass Ν S2S3 G2G3 N N. Notophthalmus perstriatus Striped Newt Pituophis melanoleucus mugitus Florida Pine Snake G4T3 **S3** Ν LS Podomys floridanus Florida Mouse G3 **S3** N LS G3 **S3** LS Rana capito Gopher Frog N **S3** LS Sciurus niger shermani Sherman's Fox Squirrel G5T3 Ν LE G2Q **S2** Spigelia loganioides Pinkroot Matrix Unit ID: 25846 Likely Eastern Indigo Snake G3 **S3** LT LT Drymarchon couperi G4 **S4** Ν Mesic flatwoods Ν G4T3 S3 LS Ν Pituophis melanoleucus mugitus Florida Pine Snake S2 Ν G3 Sandhill **Potential** S2 Incised Groove-bur G3 LE Agrimonia incisa Ν G3 **S3** N Aimophila aestivalis Bachman's Sparrow Ν G2 S2 Aphelocoma coerulescens Florida Scrub-jay LT LT **GNA S1** Asplenium heteroresiliens Wagner's Spleenwort Ν Ν LS Athene cunicularia floridana Florida Burrowing Owl G4T3 **S3** N LE Calopogon multiflorus Many-flowered Grass-pink G2G3 S2S3 N Dicerandra cornutissima Longspurred Mint G1 **S1** LE LE Florida Crabgrass S₁ Digitaria floridana G1 Ν Ν Gopher Tortoise **S3** Ν Gopherus polyphemus G3 LT Heterodon simus Southern Hognose Snake G2 S2 N ٠N

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G3

G2

G₁Q

G5T3

G3G4

G2

G3

G3

S2

S2

S1

S3

S3

S₂

S3

S3

N

N

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LT

Pondspice

Pyamy Pipes

Celestial Lily

Florida Spiny-pod

Southeastern Bat

Round-tailed Muskrat Florida Beargrass

Florida Long-tailed Weasel

Page 8 of 12

Litsea aestivalis

Matelea floridana

Monotropsis reynoldsiae Mustela frenata peninsulae

Myotis austroriparius

Nemastylis floridana

Nolina atopocarpa

Neofiber alleni





Natural Areas				18	<u>51</u>
INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Notophthalmus perstriatus Podomys floridanus Pteroglossaspis ecristata Rana capito Sciurus niger shermani Stilosoma extenuatum	Striped Newt Florida Mouse Giant Orchid Gopher Frog Sherman's Fox Squirrel Short-tailed Snake	G2G3 G3 G2G3 G3 G5T3 G3	S2S3 S3 S2 S3 S3 S3 S3	N N N N N	N LS LT LS LS LS LT
Matrix Unit ID: 25847			:		
Likely					
Drymarchon couperi Grus canadensis pratensis Mesic flatwoods Pituophis melanoleucus mugitus Sandhill	Eastern Indigo Snake Florida Sandhill Crane Florida Pine Snake	G3 G5T2T3 G4 G4T3 G3	\$3 \$2\$3 \$4 \$3 \$2	LT N N N	LT LT N LS N
Potential			,		
Agrimonia incisa Aimophila aestivalis Asplenium heteroresiliens Athene cunicularia floridana Calopogon multiflorus Digitaria floridana Gopherus polyphemus Heterodon simus Litsea aestivalis Matelea floridana Monotropsis reynoldsiae Mustela frenata peninsulae Myotis austroriparius Nolina atopocarpa Notophthalmus perstriatus Podomys floridanus Pteroglossaspis ecristata Rana capito Sciurus niger shermani	Incised Groove-bur Bachman's Sparrow Wagner's Spleenwort Florida Burrowing Owl Many-flowered Grass-pink Florida Crabgrass Gopher Tortoise Southern Hognose Snake Pondspice Florida Spiny-pod Pygmy Pipes Florida Long-tailed Weasel Southeastern Bat Florida Beargrass Striped Newt Florida Mouse Giant Orchid Gopher Frog Sherman's Fox Squirrel	G3 G3 GNA G4T3 G2G3 G1 G3 G2 G1Q G5T3 G3G4 G3 G2G3 G3 G2G3 G3 G5T3	\$2 \$3 \$1 \$3 \$2\$3 \$1 \$3 \$2 \$2 \$2 \$1 \$3 \$3 \$3 \$2\$3 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	222222222222	E N N S E N T N E E E N N S E N T N S E E E E N N S E S E S E S E S E S E
Matrix Unit ID: 26116	•				
Likely		•			
Mesic flatwoods <i>Mycteria americana</i> Sandhill	Wood Stork	G4 G4 G3	S4 S2 S2	N LE N	N LE N
Potential		•			
Agrimonia incisa Aimophila aestivalis. Asplenium heteroresiliens Athene cunicularia floridana Calopogon multiflorus	Incised Groove-bur Bachman's Sparrow Wagner's Spleenwort Florida Burrowing Owl Many-flowered Grass-pink	G3 G3 GNA G4T3 G2G3	\$2 \$3 \$1 \$3 \$2\$3	N N N N	LE N N LS LE

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Page 9 of 12





Natural Areas		•		18	51:
INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Digitaria floridana	Florida Crabgrass	G1	S1	N	N -
Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT
Gopherus polyphemus	Gopher Tortoise	- G3	S3	N	LT
Heterodon simus	Southern Hognose Snake	G2	S2	N	N
Matelea floridana	Florida Spiny-pod	G2	S2	N	ĹĖ
Monotropsis reynoldsiae	Pygmy Pipes	G1Q	S1	N	LE
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N	N
Myotis austroriparius	Southeastern Bat	G3G4	S3	Ň	N
Nemastylis floridana	Celestial Lily	G2	.S2	N ·	LE
Neofiber alleni	Round-tailed Muskrat	G2 G3	S3	N	N
		G3	S3	N	ĹŤ
Notina atopocarpa	Florida Beargrass	G2G3	S2S3	N	N
Notophthalmus perstriatus	Striped Newt	G2G3	S3	N	LS
Podomys floridanus	Florida Mouse				LT
Pteroglossaspis ecristata	Giant Orchid	G2G3	S2	N	
Rana capito	Gopher Frog	G3	S3	N	LS
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS
Stilosoma extenuatum	Short-tailed Snake	G3	S3	N	LT
trix Unit ID: 26117					
ikely					
Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Mesic flatwoods		G4	S4	N	N
Sandhill		G3	S2	N	N
Potential				٠	
Agrimonia incisa	Incised Groove-bur	- G3	S2	N	LE
Aimophila aestivalis	Bachman's Sparrow	G3	S3	N	N
Asplenium heteroresiliens	Wagner's Spleenwort	GNA -	S1	N	N
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	N	LS
Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3	• N	LE
Digitaria floridana	Florida Crabgrass	G1	S1	· N	N
Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT
Gopherus polyphemus	Gopher Tortoise	G3	S3 -	N	LT
Heterodon simus	Southern Hognose Snake	G2	S2	N	N
Matelea floridana	Florida Spiny-pod	G2	S2	: N	LE
Monotropsis reynoldsiae	Pygmy Pipes	G1Q	S1	·N	LE
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3 -	N	N
Myotis austroriparius	Southeastern Bat	G3G4	S3	N	Ň
Nolina atopocarpa	Florida Beargrass	G3	S3	Ň	ĹŤ
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	Ň	N
Podomys floridanus	Florida Mouse	G3	S3	N	ĹŠ
Pteroglossaspis ecristata	Giant Orchid	G2G3	S2	N	LT
Rana capito	Gopher Frog	G3	S3	Ň	LS
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3 -	N	LS
trix Unit ID: 26387					
Likely		4			•
Madama	Mand Charle		. 62		1 5-

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.

S2

LE

LE

Wood Stork

Mycteria americana





Natural Areas				10	31
INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Potential					
Agrimonia incisa Aimophila aestivalis Asplenium heteroresiliens Asplenium x curtissii Athene cunicularia floridana Calopogon multiflorus Digitaria floridana Drymarchon couperi Gopherus polyphemus Heterodon simus Matelea floridana Monotropsis reynoldsiae Mustela frenata peninsulae Myotis austroriparius Neofiber alleni Nolina atopocarpa Notophthalmus perstriatus Picoides borealis Pituophis melanoleucus mugitus Podomys floridanus Pteroglossaspis ecristata Rana capito Sciurus niger shermani	Incised Groove-bur Bachman's Sparrow Wagner's Spleenwort Curtiss' Spleenwort Florida Burrowing Owl Many-flowered Grass-pink Florida Crabgrass Eastern Indigo Snake Gopher Tortoise Southern Hognose Snake Florida Spiny-pod Pygmy Pipes Florida Long-tailed Weasel Southeastern Bat Round-tailed Muskrat Florida Beargrass Striped Newt Red-cockaded Woodpecker Florida Pine Snake Florida Mouse Giant Orchid Gopher Frog Sherman's Fox Squirrel	G3 G3 GNA GNA G4T3 G2G3 G1 G3 G2 G1Q G5T3 G3G4 G3 G3 G4T3 G3 G4T3 G3 G4T3 G3 G4T3	\$2 \$3 \$1 \$1 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	zzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzz	E N N N S E N T T N E E N N N T N S S S T S S
Stilosoma extenuatum Matrix Unit ID: 26388	Short-tailed Snake	G3	S3 -	N	LT
Likely					
Mesic flatwoods	•	G4	S4	N	N
Potential					
Agrimonia incisa Aimophila aestivalis Asplenium heteroresiliens Asplenium x curtissii Athene cunicularia floridana Calopogon multiflorus Digitaria floridana Drymarchon couperi Gopherus polyphemus Heterodon simus Matelea floridana Monotropsis reynoldsiae Mustela frenata peninsulae Myotis austroriparius Neofiber alleni Nolina atopocarpa Notophthalmus perstriatus	Incised Groove-bur Bachman's Sparrow Wagner's Spleenwort Curtiss' Spleenwort Florida Burrowing Owl Many-flowered Grass-pink Florida Crabgrass Eastern Indigo Snake Gopher Tortoise Southern Hognose Snake Florida Spiny-pod Pygmy Pipes Florida Long-tailed Weasel Southeastern Bat Round-tailed Muskrat Florida Beargrass Striped Newt	G3 G3 GNA GNA G4T3 G2G3 G1 G3 G2 G2 G1Q G5T3 G3G4 G3 G3 G3	\$2 \$3 \$1 \$3 \$2 \$3 \$3 \$3 \$2 \$1 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	222227222222222	E N N N S E N T T N E E N N N N N N N N N N N N N

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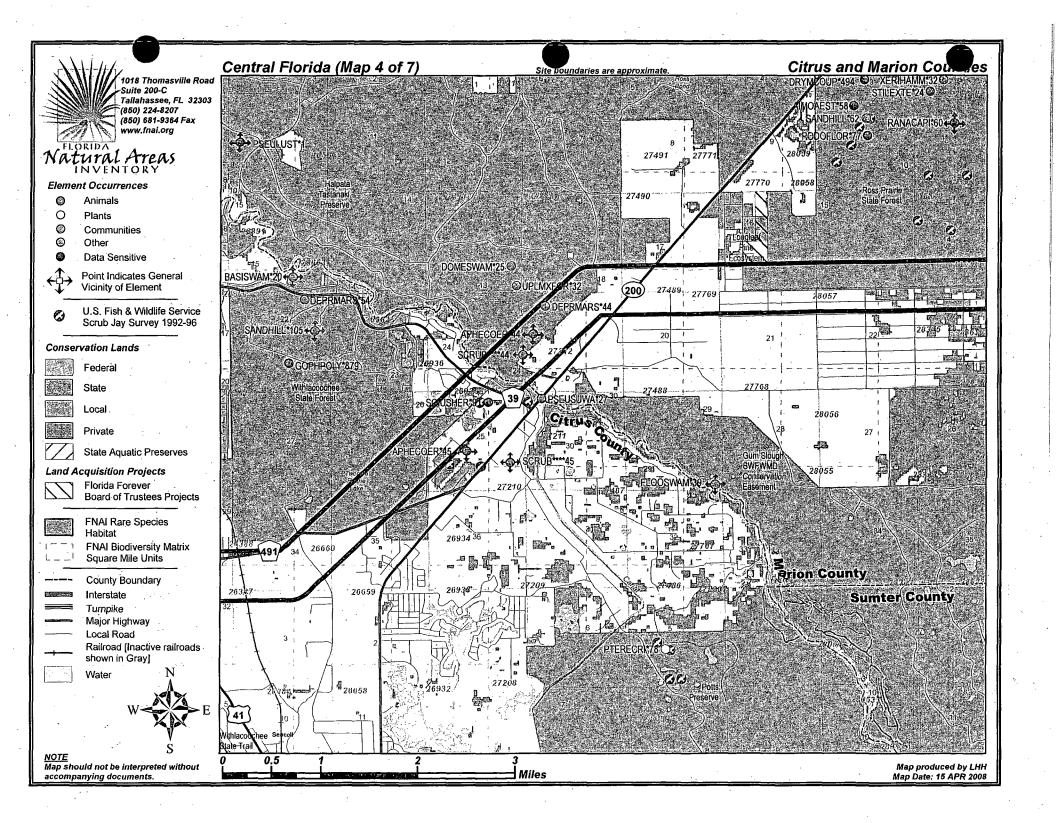
Likely - Rare species and natural communities likely to occur on this site based on suitable habitat and/or known occurrences in the vicinity. Potential - This site lies within the known or predicted range of the species listed.





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

Definitions: Documented - Rare species and natural communities documented on or near this site.







Map Label	Scientific Name	Common Name			Federal Status		Observation Date	n Description	EO Comments
SCRUB****44	Scrub		G2	S2	N	N	1981-03-05	SECOND GROWTH OAK SCRU	B 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 MARSHE INTERSPERSED BETWEEN XERIC HAMMOCK.	S 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	Pseudemys concinna suwanniensis	Suwannee Cooter	G5T3	S3	N	LS	1994-05-12 · · · · ·	MEDIUM-SIZED RIVER WITH BLACKWATER AND SPRING-FED CHARACTERISTICS; BORDERE 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 DMORNING 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	Sciurus niger shermani	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, longleafs are abundant though mostly small, wiregrass is widespread though sparse. Subs	1994-05-11, 12: during 2-day field y assessment of Jordan Ranch, Jackson and Printiss observed one adult.





INVEN	TORY		Global	State	Federal	State	Observatio	n .	
Map Label	Scientific Name	Common Name	Rank	Rank	Status	Listing	Date	Description	EO Comments
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/TURKE' OAK/WIREGRASS GRADING INTO XERIC HAMMOCK AND DEPRESSION MARSH.	Y 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	S 3	Ν .	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	Pseudobranchus 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 SCRUE	3 1981-03-05: 2 SCRUB JAYS





INVEN	TORY	•	Global				Observation	n .	
Map Label	Scientific Name	Common Name	Rank	Rank	Status	Listing	Date	Description	EO Comments
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, longleafs 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 Sandhi bordered by and/or containing Basin Swamp, Depression Marshes and Xeric Hammock/Scrubby Flatwoods.	12004: 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





Natural Areas		,		18	51.	
Natural Areas INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing	
				٠,		_
Matrix Unit ID: 26387						
Likely					•	
Mycteria americana	Wood Stork	G4	S2	LE	LE	٠
Potential						
Agrimonia incisa	Incised Groove-bur	G3	S2	N	LE	
Aimophila aestivalis	Bachman's Sparrow	- G3	S3	N	N	
Asplenium heteroresiliens	Wagner's Spleenwort	GNA	S1	N	Ň	
Asplenium x curtissii	Curtiss' Spleenwort	GNA	S1	N.	Ň	
Aspierium x curussii Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	N	ĹS	
		G2G3	S2S3	N	LE	
Calopogon multiflorus	Many-flowered Grass-pink		S233	N	N	
Digitaria floridana	Florida Crabgrass	G1 G3		LT	LT	
Drymarchon couperi	Eastern Indigo Snake		S3			
Gopherus polyphemus	Gopher Tortoise	G3	S3	· N	LT	
Heterodon simus	Southern Hognose Snake	. G2	S2	N	N	
Matelea floridana	Florida Spiny-pod	G2	S2	, N	LE	
Monotropsis reynoldsiae	Pygmy Pipes	G1Q	S1	N	LE	
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N	N	
Myotis austroriparius	Southeastern Bat	G3G4	S3	N	N	
Neofiber alleni	Round-tailed Muskrat	G3	S3	N	N	
Nolina atopocarpa	Florida Beargrass	G3	S3	N	LT	
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N ·	N	
Picoides borealis	Red-cockaded Woodpecker	G3	S2	LE	, LS	
Pituophis melanoleucus mugitus	Florida Pine Snake	G4T3	S3	N	LS	
Podomys floridanus	Florida Mouse	G3	∞ S3	N	LS	
Pteroglossaspis ecristata	Giant Orchid	G2G3	S2	, N	LT	
Rana capito	Gopher Frog	- G3	S3	N	LS	
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS	
Stilosoma extenuatum	Short-tailed Snake	G3	S3	N	LT	
Matrix Unit ID: 26388						
Likely						
•		G4	S4	N	N	
Mesic flatwoods		G4	34	IA		
Potential	No. 1	_				
Agrimonia incisa	Incised Groove-bur	G3	S2	N	LE	
Aimophila aestivalis	Bachman's Sparrow	G3	· S3	N	N	
Asplenium heteroresiliens	Wagner's Spleenwort	GNA	S1	N -	N .	
Asplenium x curtissii	Curtiss' Spleenwort	GNA	S1	N	N	
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	· N	LS	
Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3	N	LE	
Digitaria floridana	Florida Crabgrass	G1	S1	N	N	
Drymarchon couperi	Eastern Indigo Snake	G3	S3 -	LT.	LT .	
Gopherus polyphemus	Gopher Tortoise	G3	S3	N.	LT	٠,
Heterodon simus	Southern Hognose Snake	G2	S2	N	N.	
Matelea floridana	Florida Spiny-pod	G2	S2	Ň	ĹÈ	
Monotropsis reynoldsiae	Pygmy Pipes	G1Q	S1	N	ΪĒ	
17.01.01.02.07.101.001.00	· · · · · · · · · · · · · · · · · · ·		- ;			

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

Florida Long-tailed Weasel

Mustela frenata peninsulae



Areas

Florida Natural Areas Inventory **Biodiversity Matrix Report**



NATUTAL FITEUS INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Neofiber alleni Nolina atopocarpa Notophthalmus perstriatus Picoides borealis Podomys floridanus Pteroglossaspis ecristata Rana capito Sciurus niger shermani	Southeastern Bat Round-tailed Muskrat Florida Beargrass Striped Newt Red-cockaded Woodpecker Florida Mouse Giant Orchid Gopher Frog Sherman's Fox Squirrel Short-tailed Snake	G3G4 G3 G3 G2G3 G3 G3 G2G3 G3 G5T3	\$3 \$3 \$3 \$2\$3 \$2 \$3 \$2 \$3 \$3 \$3	SZZZEZZZZZ	N N LT N LS LS LT LS LS
Matrix Unit ID: 26659					* .
Likely					
Mesic flatwoods <i>Mycteria americana</i> Sandhill	Wood Stork	G4 G4 G3	S4 S2 S2	N LE N	N LE N
Potential					
Aimophila aestivalis Asplenium heteroresiliens Asplenium plenum Asplenium x curtissii Athene cunicularia floridana	Incised Groove-bur Bachman's Sparrow Wagner's Spleenwort Ruffled spleenwort Curtiss' Spleenwort Florida Burrowing Owl Many-flowered Grass-pink Sand Butterfly Pea Rafinesque's Big-eared Bat Florida Crabgrass Eastern Indigo Snake Gopher Tortoise Southern Hognose Snake Pondspice Florida Spiny-pod Pygmy Pipes Florida Long-tailed Weasel Southeastern Bat Celestial Lily Round-tailed Muskrat Florida Beargrass Striped Newt Pinewood Dainties Red-cockaded Woodpecker Florida Pine Snake Florida Mouse Giant Orchid Gopher Frog Sherman's Fox Squirrel Pinkroot Short-tailed Snake	G3 G3 GNA G1Q GNA G4T3 G2G3 G2Q G3G4 G1 G3 G3 G4T3 G3 G4T2 G3 G4T3 G3 G4T3 G3 G4T3 G3 G4T3 G3 G4T3 G3 G4T3 G3 G4T3 G3 G4T3 G4T	\$2 \$3 \$1 \$1 \$3 \$2 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	zzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzz	Exxxxsuuxxttxuuuxxuxtxussutssuut

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04/15/2008





Natural Areas		•		. 18	51
INVENTORY Scientific Name	Common Name	Global Rank	State. Rank	Federal Status	State Listing
Matrix Unit ID: 26660			,	٠.	
Likely	•				
Mesic flatwoods		· G4	S4 -	N	N
Mycteria americana	Wood Stork	G4	S2	LE	LE
Sandhill		G3	S2	N	N
Potential					
Agrimonia incisa	Incised Groove-bur	G3	S2	N	LE
Aimophila aestivalis	Bachman's Sparrow	G3	S3	N	N
Asplenium heteroresiliens	Wagner's Spleenwort	GNA	S1	N	N
Asplenium plenum	Ruffled spleenwort	G1Q	S1	N	Ñ
Asplenium x curtissii	Curtiss' Spleenwort	GNA	S1	N	N
Aspieriiam x cartissii Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	. N	ĹS
		G2G3	S2S3	. N	LE
Calopogon multiflorus	Many-flowered Grass-pink				
Centrosema arenicola	Sand Butterfly Pea	G2Q	·S2	N	LE
Digitaria floridana	Florida Crabgrass	G1	S1	<u>N</u>	N
Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT
Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT
Heterodon simus	Southern Hognose Snake	G2	S2	N	N
Litsea aestivalis	Pondspice	G3	S2	N	LE
Matelea floridana	Florida Spiny-pod	. G2	S2	N	LE
Monotropsis reynoldsiae	Pygmy Pipes	G1Q	S1	N	LE
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N	N
Myotis austroriparius	Southeastern Bat	G3G4	S3	N	N
Nemastylis floridana	Celestial Lily	G2	S2	N	LE
Neofiber alleni	Round-tailed Muskrat	G3	S3	N	N.
Nolina atopocarpa	Florida Beargrass	G3	S3	N	ĹŤ
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N	N.
Phyllanthus leibmannianus ssp. platylepis		G4T2	S2	N	ĽĚ
Ditrophia malanalarea musitus	Florida Pine Snake	G4T2	S3	- N	
Pituophis melanoleucus mugitus					LS
Podomys floridanus	Florida Mouse	G3	S3	N N	LS
Pteroglossaspis ecristata	Giant Orchid	G2G3	S2	N	LT
Rana capito	Gopher Frog	G3	S3	N	LS
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS
Spigelia loganioides	Pinkroot	G2Q	S2	N	LE
Stilosoma extenuatum	Short-tailed Snake	G3	S3	N	LT
Matrix Unit ID: 26661					,
Likely					
Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3	S2S3	· N	LT
Mycteria americana	Wood Stork	G4	S2	LE	ĹĖ
Sandhill	Wood Stork	G3	S2	N	N
Potential					· -
Agrimonia incisa	Incised Groove-bur	G3	S2	N	LE
Aimophila aestivalis	Bachman's Sparrow	G3	S3	- N	N
Asplenium heteroresiliens		GNA GNA	53 S1	N	N
	Wagner's Spleenwort		S1		
Asplenium plenum	Ruffled spleenwort	G1Q	57	N	N

Definitions: Documented - Rare species and natural communities documented on or near this site.





NA	INTAL FITENS INVENTORY		Global	State	Federal	State
s	cientific Name	Common Name	Rank	Rank	Status	Listing
A A C C C C C C C C C C C C C C C C C C	splenium x curtissii thene cunicularia floridana calopogon multiflorus centrosema arenicola digitaria floridana digitaria floridana digitaria floridana displemarchon couperi copherus polyphemus deterodon simus ditsea aestivalis flatelea floridana flonotropsis reynoldsiae flustela frenata peninsulae flyotis austroriparius demastylis floridana deofiber alleni dolina atopocarpa dotophthalmus perstriatus chyllanthus leibmannianus ssp. platylepis dituophis melanoleucus mugitus codomys floridanus deteroglossaspis ecristata dycnanthemum floridanum	Curtiss' Spleenwort Florida Burrowing Owl Many-flowered Grass-pink Sand Butterfly Pea Florida Crabgrass Eastern Indigo Snake Gopher Tortoise Southern Hognose Snake Pondspice Florida Spiny-pod Pygmy Pipes Florida Long-tailed Weasel Southeastern Bat Celestial Lily Round-tailed Muskrat Florida Beargrass Striped Newt Pinewood Dainties Florida Mouse Giant Orchid Florida Mountain-mint Gopher Frog				
S S 7	Rana capito Sciurus niger shermani Spigelia loganioides Stilosoma extenuatum Trichomanes punctatum ssp. floridanum Unit ID: 26934	Sherman's Fox Squirrel Pinkroot Short-tailed Snake Florida Filmy Fern	G3 G5T3 G2Q G3 G4G5T1	\$3 \$3 \$2 \$3 \$1	N N N N	LS LS LE LT LE
Like	ely	•				
V	Aphelocoma coerulescens Mesic flatwoods Mycteria americana Bandhill	Florida Scrub-jay Wood Stork	G2 G4 G4 G3	S2 S4 S2 S2	LT N LE N	LT N LE N
Pot	ential					
	Aimophila aestivalis Asplenium heteroresiliens Asplenium plenum Asplenium x curtissii Athene cunicularia floridana Centrosema arenicola Corynorhinus rafinesquii Dicerandra comutissima Digitaria floridana Drymarchon couperi Gopherus polyphemus Heterodon simus Litsea aestivalis	Bachman's Sparrow Wagner's Spleenwort Ruffled spleenwort Curtiss' Spleenwort Florida Burrowing Owl Sand Butterfly Pea Rafinesque's Big-eared Bat Longspurred Mint Florida Crabgrass Eastern Indigo Snake Gopher Tortoise Southern Hognose Snake Pondspice	G3 GNA G1Q GNA G4T3 G2Q G3G4 G1 G1 G3 G3 G3 G2 G3	\$3 \$1 \$1 \$3 \$2 \$2 \$1 \$1 \$3 \$3 \$2 \$2	zzzzzz Eztzzz	N N N N S E N E N L T N E

Definitions: Documented - Rare species and natural communities documented on or near this site.





New Not Or State Federal State	Natural Areas	•			100	31
Matelea floridana Florida Spiny-pod G2 S2 N LE Monotropsis reynoldsiae Pygmy Pipes G1Q S1 N LE Mustela frenata peninsulae Florida Long-tailed Weasel G5T3 S3 N N Myotis austroriparius Southeastern Bat G3C4 S3 N N Nemastylis floridana Celestial Lily G2 S2 N LE Neofiber alleni Round-tailed Muskrat G3 S3 N N Notophthalmus perstriatus Striped Newt G2G3 S2S3 N N Phyllanthus lebimanianus ssp. platylepis Pinewood Dainties G4T2 S2 N LE Pituophis melanoleucus mugitus Florida Pine Snake G4T3 S3 N LS Pituophis melanoleucus mugitus Florida Mouse G3 S3 N LS Pituophis melanoleucus mugitus Florida Mouse G3 S3 N LS Pituophis melanoleucus mugitus Florida Mouse G3 <th>INVENTORY</th> <th></th> <th>Global</th> <th>State</th> <th>Federal</th> <th>State</th>	INVENTORY		Global	State	Federal	State
Monotropsis reynoldsiae Pygmy Pipes G1Q S1 N LE Mustela frenata peninsulae Florida Long-tailed Weasel G5T3 S3 N N Myotis austroriparius Southeastern Bat G3C4 S3 N N Neofiber alleni Round-tailed Muskrat G3 S3 N N Notophthalmus perstriatus Striped Newt G2G3 \$2S3 N N Phyllanthus leibmannianus ssp. platylepis Pinewood Dainties G4T2 S2 N LE Pitropipis melanoleucus mugitus Florida Mouse G3 S3 N LS Podomys floridanus Florida Mouse G3 S3 N LS Peroglossaspis ecristata Giant Orchid G2G3 S2 N LT Pycanthemum floridanum Florida Mouse G3 S3 N LS Sciurus niger shermani Sherman's Fox Squirrel G5T3 S3 N LS Scrub Spigelia loganicides Pinkroot G2	Scientific Name	Common Name	Rank	Rank	Status	Listing
Monotropsis reynoldsiae Pygmy Pipes G1Q S1 N LE Mustela frenata peninsulae Florida Long-tailed Weasel G5T3 S3 N N Myotis austroriparius Southeastern Bat G3C4 S3 N N Neofiber alleni Round-tailed Muskrat G3 S3 N N Notophthalmus perstriatus Striped Newt G2G3 \$2S3 N N Phyllanthus leibmannianus ssp. platylepis Pinewood Dainties G4T2 S2 N LE Pitropipis melanoleucus mugitus Florida Mouse G3 S3 N LS Podomys floridanus Florida Mouse G3 S3 N LS Peroglossaspis ecristata Giant Orchid G2G3 S2 N LT Pycanthemum floridanum Florida Mouse G3 S3 N LS Sciurus niger shermani Sherman's Fox Squirrel G5T3 S3 N LS Scrub Spigelia loganicides Pinkroot G2	Matelea floridana	Florida Spiny-pod	G2	S2	. N	LE
Mustela frenata peninsulae Fiorida Long-tailed Weasel G5T3 S3 N N Myoriis austroriparius Southeastern Bat G3G4 S3 N N Nemastylis floridana Celestial Lily G2 S2 N LE Neofiber alleni Round-tailed Muskrat G3 S3 N N Notophthalmus perstriatus Striped Newt G2G3 S2S3 N N Phyllanthus leibmannianus ssp. platylepis Pinewood Dainties G4T2 S2 N LE Pituophis melanoleucus mugitus Florida Pine Snake G4T3 S3 N LS Pituophis melanoleucus mugitus Florida Pine Snake G4T3 S3 N LS Pituophis melanoleucus mugitus Florida Pine Snake G4T3 S3 N LS Pituophis melanoleucus mugitus Florida Mountain-mint G3 S3 N LS Pituoglosaspis ecristata Giant Orchid G2G3 S2 N LT Roman capito Gopher Frog						
Myotis austroripiarius Southeastern Bat (Celestial Lily) G3 (Celestial Lily) G2 (Celestial Lily) G3 (Celestial Lily) G3 (Celestial Lily) G3 (Celestial Lily) G3 (Celestial Lily) M (Celestial Lily) M (Celestial Lily) G3 (Celestial Lily) M (Celest						
Némastylis floridana Celestial Lily G2 S2 N LE Neofiber alleni Round-tailed Muskrat G3 S3 N N Notophthalmus perstriatus Striped Newt G2G3 S2S3 N N Phylanthus leibmannianus ssp. platylepis Pinewood Dainties G4T2 S2 N LE Pituophis melanoleucus mugitus Florida Mouse G4T3 S3 N LS Pedomys floridanus Florida Mouse G3 S3 N LS Pleroglossaspis ecristata Giant Orchid G2G3 S2 N LT Pleroglossaspis ecristata Giant Orchid G2G3 S2 N LT Rana capito Gopher Frog G3 S3 N LT Rana capito Solida Mountain-mint G3 S3 N LS Sciurus niger shemani Sherman's Fox Squirrel G5T3 S3 N LS Stilosoma extenuatum Sherman's Fox Squirrel G2 S2 LT						
Neofiber alleni						
Notophthalmus perstriatus						
Phylianthus leibmannianus ssp. platylepis Pinewood Dainties G4T2 S2 N LE Pituophis melanoleucus mugitus Florida Pine Snake G4T3 S3 N LS Podomys floridanus Florida Mouse G3 S3 N LS Pteroglossaspis ecristata Giant Orchid G2G3 S2 N LT Pycnanthemum floridanum Florida Mountain-mint G3 S3 N LT Rana capito Gopher Frog G3 S3 N LS Sciurus niger shermani Sherman's Fox Squirrel G5T3 S3 N LS Sciurus niger shermani Sherman's Fox Squirrel G5T3 S3 N LS Spigelia loganioides Pinkroot G2Q S2 N N Spigelia loganioides Pinkroot G2Q S2 N LE Stilosoma extenuatum Short-tailed Snake G3 S3 N LT Trichomanes punctatum ssp. floridanum Florida Filmy Fern G4G5T1 S1 N LE Matrix Unit ID: 26935 ikely						
Pituophis melanoleucus mugitus						
Podomys floridanus						
Pteroglossaspis ecristata						
Pycnanthemum floridanum						
Rana capito Gopher Frog G3 S3 N LS Sciurus niger shermani Sherman's Fox Squirrel G5T3 S3 N LS Scrub G2 S2 N N Spigelia loganioides Pinkroot G2Q S2 N LE Stilosoma extenuatum Short-tailed Snake G3 S3 N LT Trichomanes punctatum ssp. floridanum Florida Filmy Fern G4G5T1 S1 N LE Matrix Unit ID: 26935 S3 N LT LS LT LS LS LE LE </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
Sciurus niger shermani Scrub Sherman's Fox Squirrel G5T3 S3 N LS Spigelia loganioides Stiliosoma extenuatum Trichomanes punctatum ssp. floridanum Pinkroot Short-tailed Snake G3 S3 N LT Matrix Unit ID: 26935 26935 Well Well Well Likely G2 S2 LT LT LT LT LT G7us canadensis pratensis Florida Scrub-jay G2 S2 LT LT LT LT G7us canadensis pratensis Florida Sandhill Crane G5T2T3 S2S3 N LT LS LT LS LS LT LS LS LS <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td></t<>						
Scrub Spigelia loganioides Pinkroot G2Q S2 N LE						
Spigelia loganioides Stilosoma extenuatum Short-tailed Snake Stilosoma extenuatum Trichomanes punctatum ssp. floridanum Florida Filmy Fern G4G5T1 S1 N LE Matrix Unit ID: 26935 Likely Aphelocoma coerulescens Grus canadensis pratensis Florida Scrub-jay G2 S2 LT LT Grus canadensis pratensis Florida Sandhill Crane G5T2T3 S2S3 N LT Mesic flatwoods Mycteria americana Wood Stork G4 S4 N N Mycteria americana Sciurus niger shermani Sherman's Fox Squirrel G5T3 S3 N LS Potential Acipenser oxyrinchus desotoi Aimophila aestivalis Bachman's Sparrow G3 S3 N N Asplenium heteroresiliens Magner's Spleenwort Asplenium plenum Ruffled spleenwort G1Q S1 N N Asplenium x curtissii Athene cunicularia floridana Florida Burrowing Owl G4T3 S3 N LS Centrosema arenicola		·				
Stilosoma extenuatum Trichomanes punctatum ssp. floridanum Florida Filmy Fern G4G5T1 S1 N LE Matrix Unit ID: 26935 Likely Aphelocoma coerulescens G7us canadensis pratensis Florida Sandhill Crane G5T2T3 S2S3 N LT Mesic flatwoods Mycteria americana Wood Stork G4 S4 N N Mycteria americana Sciurus niger shermani Sherman's Fox Squirrel Acipenser oxyrinchus desotoi Aimophila aestivalis Bachman's Sparrow Asplenium heteroresiliens Magner's Spleenwort Asplenium plenum Ruffled spleenwort Asplenium x curtissii Curtiss' Spleenwort Athene cunicularia floridana Florida Burrowing Owl Centrosema arenicola Short-tailed Snake G3 S3 N LT		Pinkroot				
Matrix Unit ID: 26935 Likely Aphelocoma coerulescens Florida Scrub-jay G2 S2 LT LT Grus canadensis pratensis Florida Sandhill Crane G5T2T3 S2S3 N LT Mesic flatwoods G4 S4 N N Mycteria americana Wood Stork G4 S2 LE LE Sandhill G3 S2 N N LS Sciurus niger shermani Sherman's Fox Squirrel G5T3 S3 N LS Potential Acipenser oxyrinchus desotoi Gulf Sturgeon G3T2 S2 LT LS Aimophila aestivalis Bachman's Sparrow G3 S3 N N Asplenium heteroresiliens Wagner's Spleenwort GNA S1 N N Asplenium x curtissii Curtiss' Spleenwort GNA S1 N N Asplenium x curtissii Curtiss' Spleenwort GNA S1 N N Athene cunicularia floridana Florida Burrowing Owl G4T3 S3 N LS Centrosema arenicola						
Matrix Unit ID: 26935 Likely Aphelocoma coerulescens Florida Scrub-jay G2 S2 LT LT Grus canadensis pratensis Florida Sandhill Crane G5T2T3 S2S3 N LT Mesic flatwoods G4 S4 N N Mycteria americana Wood Stork G4 S2 LE LE Sandhill G3 S2 N N Sciurus niger shermani Sherman's Fox Squirrel G5T3 S3 N LS Potential Acipenser oxyrinchus desotoi Gulf Sturgeon G3T2 S2 LT LS Aimophila aestivalis Bachman's Sparrow G3 S3 N N Asplenium heteroresiliens Wagner's Spleenwort GNA S1 N N Asplenium plenum Ruffled spleenwort G1Q S1 N N Asplenium x curtissii Curtiss' Spleenwort GNA S1 N N Athene cunicularia floridana Florida Burrowing Owl G4T3 S3 N LS Centrosema arenicola Sand Butterfly Pea G2Q S2 N LE						
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Aphelocoma coerulescens Grus canadensis pratensis Florida Sandhill Crane G5T2T3 S2S3 N LT Mesic flatwoods Mycteria americana Wood Stork G4 S2 LE LE Sandhill Sciurus niger shermani Sherman's Fox Squirrel Acipenser oxyrinchus desotoi Aimophila aestivalis Bachman's Sparrow G3 S3 N N Asplenium heteroresiliens Wagner's Spleenwort Asplenium x curtissii Curtiss' Spleenwort GNA S1 N N Athene cunicularia floridana Florida Burrowing Owl Centrosema arenicola Florida Burrowing Owl Carbon G5T2 S2 LT Controsema arenicola Florida Burrowing Owl Centrosema arenicola	Matrix Unit ID: 26935	· ·		,		
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Mesic flatwoods Mycteria americana Wood Stork G4 S2 LE LE Sandhill G3 S2 N N Sciurus niger shermani Sherman's Fox Squirrel G5T3 S3 N LS Potential Acipenser oxyrinchus desotoi Aimophila aestivalis Bachman's Sparrow G3 S2 LT LS Aimophila aestivalis Bachman's Sparrow G3 S3 N N Asplenium heteroresiliens Wagner's Spleenwort GNA S1 N N Asplenium plenum Ruffled spleenwort G1Q S1 N N Asplenium x curtissii Curtiss' Spleenwort GNA S1 N N Asplenium x curtissii Curtiss' Spleenwort GNA S1 N N Asplenium x curtissii Curtiss' Spleenwort GNA S1 N N Athene cunicularia floridana Florida Burrowing Owl G4T3 S3 N LS Centrosema arenicola						
Mycteria americana Sandhill Sciurus niger shermaniWood StorkG4 G3 S2 N Sherman's Fox SquirrelG3 G5T3S2 S3 N N N S5T3 		Florida Sandnili Crane				
Sandhill Sciurus niger shermani Sherman's Fox Squirrel Acipenser oxyrinchus desotoi Aimophila aestivalis Bachman's Sparrow Asplenium heteroresiliens Asplenium plenum Asplenium plenum Asplenium x curtissii Curtiss' Spleenwort Athene cunicularia floridana Centrosema arenicola Sherman's Fox Squirrel G3 S2 N N ASS S3 N LS G3T2 S2 LT LS CAITING SPIECHON G3 AN N ASPLETION OF THE STANDARY GATA A		Mood Stork				
Sciurus niger shermaniSherman's Fox SquirrelG5T3S3NLSPotentialAcipenser oxyrinchus desotoiGulf SturgeonG3T2S2LTLSAimophila aestivalisBachman's SparrowG3S3NNAsplenium heteroresiliensWagner's SpleenwortGNAS1NNAsplenium plenumRuffled spleenwortG1QS1NNAsplenium x curtissiiCurtiss' SpleenwortGNAS1NNAthene cunicularia floridanaFlorida Burrowing OwlG4T3S3NLSCentrosema arenicolaSand Butterfly PeaG2QS2NLE		vvood Stork				
Potential Acipenser oxyrinchus desotoi Gulf Sturgeon G3T2 S2 LT LS Aimophila aestivalis Bachman's Sparrow G3 S3 N N Asplenium heteroresiliens Wagner's Spleenwort GNA S1 N N Asplenium plenum Ruffled spleenwort G1Q S1 N N Asplenium x curtissii Curtiss' Spleenwort GNA S1 N N Athene cunicularia floridana Florida Burrowing Owl G4T3 S3 N LS Centrosema arenicola Sand Butterfly Pea G2Q S2 N LE		Sharman's Fox Squirrel				
Acipenser oxyrinchus desotoiGulf SturgeonG3T2S2LTLSAimophila aestivalisBachman's SparrowG3S3NNAsplenium heteroresiliensWagner's SpleenwortGNAS1NNAsplenium plenumRuffled spleenwortG1QS1NNAsplenium x curtissiiCurtiss' SpleenwortGNAS1NNAthene cunicularia floridanaFlorida Burrowing OwlG4T3S3NLSCentrosema arenicolaSand Butterfly PeaG2QS2NLE		Sherman's rox oquiner	3313	33	114	LO .
Aimophila aestivalisBachman's SparrowG3S3NNAsplenium heteroresiliensWagner's SpleenwortGNAS1NNAsplenium plenumRuffled spleenwortG1QS1NNAsplenium x curtissiiCurtiss' SpleenwortGNAS1NNAthene cunicularia floridanaFlorida Burrowing OwlG4T3S3NLSCentrosema arenicolaSand Butterfly PeaG2QS2NLE						
Asplenium heteroresiliensWagner's SpleenwortGNAS1NAsplenium plenumRuffled spleenwortG1QS1NNAsplenium x curtissiiCurtiss' SpleenwortGNAS1NNAthene cunicularia floridanaFlorida Burrowing OwlG4T3S3NLSCentrosema arenicolaSand Butterfly PeaG2QS2NLE						
Asplenium plenumRuffled spleenwortG1QS1NNAsplenium x curtissiiCurtiss' SpleenwortGNAS1NNAthene cunicularia floridanaFlorida Burrowing OwlG4T3S3NLSCentrosema arenicolaSand Butterfly PeaG2QS2NLE						
Asplenium x curtissiiCurtiss' SpleenwortGNAS1NNAthene cunicularia floridanaFlorida Burrowing OwlG4T3S3NLSCentrosema arenicolaSand Butterfly PeaG2QS2NLE						
Athene cunicularia floridana Florida Burrowing Owl G4T3 S3 N LS Centrosema arenicola Sand Butterfly Pea G2Q S2 N LE						
Centrosema arenicola Sand Butterfly Pea G2Q S2 N LE						
	Corynorhinus rafinesquii	Rafinesque's Big-eared Bat	G3G4	S2	N	N
Dicerandra comutissima Longspurred Mint G1 S1 LE LE						
Digitaria floridana Florida Crabgrass G1 S1 N N						
Drymarchon couperi Eastern Indigo Snake G3 S3 LT LT						
Gopherus polyphemus Gopher Tortoise G3 S3 N LT						
Heterodon simus Southern Hognose Snake G2 S2 N N						
Litsea aestivalis Pondspice G3 S2 N LE						
Matelea floridana Florida Spiny-pod G2 S2 N LE	·					
Monotropsis reynoldsiae Pygmy Pipes G1Q S1 N LE						
Mustela frenata peninsulae Florida Long-tailed Weasel G5T3 S3 N N						
Myotis austroriparius Southeastern Bat G3G4 S3 N N						
Nemastylis floridana Celestial Lily G2 S2 N LE						
	Neofiber alleni	Round-tailed Muskrat	G3	S3	N	N

Definitions: Documented - Rare species and natural communities documented on or near this site.





Natural Areas				10	31
INVENTORY		Global	State	Federal	State
Scientific Name	Common Name	Rank	Rank	Status	Listing
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N	N
Phyllanthus leibmannianus ssp. platylepis	Pinewood Dainties	G4T2	S2 .	N	ĹĚ
Pituophis melanoleucus mugitus	Florida Pine Snake	G4T3	S3	Ň	LS
Podomys floridanus	Florida Mouse	G3	S3	- N	LS
Pseudemys concinna suwanniensis	Suwannee Cooter	G5T3	S3	N	LS
	Giant Orchid	G2G3	S2	N	LT
Pteroglossaspis ecristata	Florida Mountain-mint	G2G3	S3	N	LT
Pycnanthemum floridanum	Gopher Frog	G3	S3	N	LS
<i>Rana capito</i> Scrub	Gopher Frog	G3 G2	S2		LS N
	Pinkroot	G2Q	S2	N N	LE
Spigelia loganioides	Short-tailed Snake	G2Q G3	S3		LT
Stilosoma extenuatum				N	
Trichomanes punctatum ssp. floridanum	Florida Filmy Fern	G4G5T1	_. S1	N	LE
Matrix Unit ID: 26936					
Likely				4	
Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Mesic flatwoods		G4	S4	N	N.
Mycteria americana	Wood Stork	G4	S2	LE	LE
Scrub		G2	S2	N	N
Upland hardwood forest		G5	S3 ·	N	N
Potential		•			
Acipenser oxyrinchus desotoi	Gulf Sturgeon	G3T2	S2	LT	LS
Agrimonia incisa	Incised Groove-bur	· G3	S2	N	LE
Aimophila aestivalis	Bachman's Sparrow	G3 .	S3	N	N
Aphelocoma coerulescens	Florida Scrub-jay	G2	S2	LT	LT
Asplenium heteroresiliens	Wagner's Spleenwort	GNA	S1	N	N
Asplenium plenum	Ruffled spleenwort	G1Q	S1	N	N
Asplenium x curtissii	Curtiss' Spleenwort	GNA	S1	N	N
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	· N	LS
Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	N.	LE
Corynorhinus rafinesquii	Rafinesque's Big-eared Bat	G3G4	S2	N	N
Digitaria floridana	Florida Crabgrass	G1	S1 .	N	N
Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT
Forestiera godfreyi	Godfrey's Swampprivet	G2	S2	N	LE
Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT
Heterodon simus	Southern Hognose Snake	G2	S2	Ν	Ν .
Litsea aestivalis	Pondspice	G3	S2	N	LE
Matelea floridana	Florida Spiny-pod	. G2	S2	Ñ	LE
Monotropsis reynoldsiae	Pygmy Pipes	G1Q	S1	. N	LE
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N	N
Myotis austroriparius	Southeastern Bat	G3G4	S3	N	N
Nemastylis floridana	Celestial Lily	G2	S2	N	ĹĚ
Neofiber alleni	Round-tailed Muskrat	G3	S3	N	N
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N	N
Pituophis melanoleucus mugitus	Florida Pine Snake	G4T3	S3	N	ĹS
Podomys floridanus	Florida Mouse	- G3	S3.	N	LS
Pseudemys concinna suwanniensis	Suwannee Cooter	G5T3	S3	Ň	LS
Pycnanthemum floridanum	Florida Mountain-mint	G3	S3	N	LT
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Definitions: Documented - Rare species and natural communities documented on or near this site.

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

atural Areas

Florida Natural Areas Inventory Biodiversity Matrix Report



INVENTORY	•		Global	State	Federal	State
Scientific Name	Common Name		Rank	Rank	Status	Listing
Rana capito	Gopher Frog		G3	S3	N	LS
Sciurus niger shermani	Sherman's Fox Squirrel		G5T3	S3	N	LS
Spigelia loganioides	Pinkroot		G2Q	S2	N	LE
	Short-tailed Snake		G3	S3	N	·LT
	Florida Filmy Fern		G4G5T1	S1	N ·	LE
Matrix Unit ID: 27211						
Documented						
Pseudemys concinna suwanniensis	Suwannee Cooter		G5T3	S3	N	LS
Likely						
Aphelocoma coerulescens	Florida Scrub-jay		G2	S2	LT	LT
Floodplain swamp			G4	S4	N.	N.
Mesic flatwoods			G4	S4	N	N
Mycteria americana	Wood Stork		G4	S2	ĹĒ	ĹĒ
Sciurus niger shermani	Sherman's Fox Squirrel	:	G5T3	S3	N	LS
Upland hardwood forest	Olientialis i ox oquillei		G5	S3	N	N
			33	33	IN	14
Potential	Colf Champage		0070	00		
	Gulf Sturgeon		G3T2	S2	LT	LS
Aimophila aestivalis	Bachman's Sparrow	,	- G3	S3	N	N
Asplenium heteroresiliens	Wagner's Spleenwort		GNA	S1	N	N
Asplenium plenum	Ruffled spleenwort		G1Q	S1	N	N
Asplenium x curtissii	Curtiss' Spleenwort		GNA	·S1	N	N
Athene cunicularia floridana	Florida Burrowing Owl		G4T3	S3	N	LS
Centrosema arenicola	Sand Butterfly Pea		G2Q	S2	N	LE
Corynorhinus rafinesquii	Rafinesque's Big-eared Bat		G3G4	S2	N	N
Dicerandra cornutissima	Longspurred Mint		G1	S1	LE	LE
Digitaria floridana	Florida Crabgrass		G1	S1	N	N
Drymarchon couperi	Eastern Indigo Snake		G3	S3	LT	LT
Forestiera godfreyi	Godfrey's Swampprivet		G2	S2	N	LE
Gopherus polyphemus	Gopher Tortoise		G3	S3	. N	LT
Matelea floridana	Florida Spiny-pod	•	G2	S2	N	LE
Monotropsis reynoldsiae	Pygmy Pipes		G1Q	S1	N	LE
Mustela frenata peninsulae	Florida Long-tailed Weasel		G5T3	S3	N	N
Myotis austroriparius	Southeastern Bat		G3G4	S3	N	N
Nemastylis floridana	Celestial Lily		G2	S2	N	LE
Neofiber alleni	Round-tailed Muskrat		G3	S3	N	N
Notophthalmus perstriatus	Striped Newt		G2G3	S2S3	N	N
Pituophis melanoleucus mugitus	Florida Pine Snake		G4T3	S3	N	LS
Podomys floridanus	Florida Mouse		G3	S3	N	LS
Pteroglossaspis ecristata	Giant Orchid		G2G3	S2	N	ĹŤ
Pycnanthemum floridanum	Florida Mountain-mint		G3	.S3	Ň	ĹŤ ·
Rana capito	Gopher Frog		G3	S3	Ň	ĹS
Scrub			G2	S2	N	N
Spigelia loganioides	Pinkroot		G2Q	S2	N	LE
Stilosoma extenuatum	Short-tailed Snake		G2Q G3	S3	N	LT
			UJ.J	ധാ	IN.	11
Trichomanes punctatum ssp. floridanum	Florida Filmy Fern		G4G5T1	S1	N	ĹĖ

Definitions: Documented - Rare species and natural communities documented on or near this site.





Global State Federal State Scientific Name Rank Rank Status Listing Common Name Matrix Unit ID: 27212 **Documented** G4 \$4 Ν Depression marsh Upland mixed forest G4 **S4** N N Likely Mycteria americana Wood Stork G4 S2 LE LE **S3** Upland hardwood forest G5 N Ν **Potential** Acipenser oxyrinchus desotoi **Gulf Sturgeon** G3T2 LT S2 LS Agrimonia incisa Incised Groove-bur G3 S2 LE Ν Aimophila aestivalis Bachman's Sparrow G3 **S3** Ν Ν Aphelocoma coerulescens Florida Scrub-jay G2 S2 LT LT Asplenium heteroresiliens Wagner's Spleenwort **GNA S1** N N Asplenium plenum Ruffled spleenwort Ν G1Q **S1** Ν Asplenium x curtissii Curtiss' Spleenwort Ν **GNA** S1 Ν Athene cunicularia floridana Florida Burrowing Owl G4T3 S3 Ν LS Centrosema arenicola Sand Butterfly Pea G2Q S2 Ν LE Corynorhinus rafinesquii Rafinesque's Big-eared Bat G3G4 S2 Ν Ν Digitaria floridana Florida Crabgrass G1 S1 Ν Ν Drymarchon couperi Eastern Indigo Snake G3 **S3** LT LT Forestiera godfreyi Godfrey's Swampprivet G2 S2 Ν LE Gopherus polyphemus **Gopher Tortoise** G3 S3 Ν LT Matelea floridana Florida Spiny-pod G2 S2 Ν LE Monotropsis reynoldsiae Pygmy Pipes Ν LE G₁Q S1 Mustela frenata peninsulae Florida Long-tailed Weasel S3 Ν Ν G5T3 Southeastern Bat **G3G4** S3 Ν Ν Myotis austroriparius Nemastylis floridana Celestial Lily G2 S2 Ν LE Round-tailed Muskrat Neofiber alleni Ν Ν G3 ·S3 Notophthalmus perstriatus Striped Newt G2G3 S2S3 Ν Ν Pituophis melanoleucus mugitus Florida Pine Snake G4T3 **S3** Ν LS LS Podomys floridanus Florida Mouse G3 S3 Ν LS Pseudemys concinna suwanniensis Suwannee Cooter S3 Ν G5T3 S2 Ν LT Pteroglossaspis ecristata Giant Orchid G2G3 Pycnanthemum floridanum Florida Mountain-mint G3 S3 Ν LT Gopher Frog Rana capito G3 S3 Ν LS Sciurus niger shermani Sherman's Fox Squirrel G5T3 S3 Ν LS G2 S2 Ν Ν Scrub Spigelia loganioides Pinkroot G₂Q S2 Ν LE Short-tailed Snake G3 Ν LT Stilosoma extenuatum S3 Florida Filmy Fern G4G5T1 Ν LE Trichomanes punctatum ssp. floridanum S₁ Triphora craigheadii Craighead's Nodding-caps **G1** S1 LE Matrix Unit ID: 27213 **Documented**

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.

G4

S4

Ν

N

Dome swamp





3364 Fax BIODIVERSITY MATRIX Re

Natural Areas				120	و مريق
Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Likely					· · · · · · · · · · · · · · · · · · ·
Mesic flatwoods Mycteria americana Scrub Upland hardwood forest	Wood Stork	G4 G4 G2 G5	S4 S2 S2 S3	N LE N N	N LE N N
Potential				÷	
Agrimonia incisa Aimophila aestivalis Asplenium heteroresiliens Asplenium plenum Asplenium x curtissii Athene cunicularia floridana Centrosema arenicola Corynorhinus rafinesquii Digitaria floridana Drymarchon couperi Forestiera godfreyi Gopherus polyphemus Litsea aestivalis Matelea floridana Monotropsis reynoldsiae Mustela frenata peninsulae Myotis austroriparius Nemastylis floridana Neofiber alleni Notophthalmus perstriatus Pituophis melanoleucus mugitus Podomys floridanus Pteroglossaspis ecristata Pycnanthemum floridanum Rana capito Sciurus niger shermani Spigelia loganioides Stilosoma extenuatum	Incised Groove-bur Bachman's Sparrow Wagner's Spleenwort Ruffled spleenwort Curtiss' Spleenwort Florida Burrowing Owl Sand Butterfly Pea Rafinesque's Big-eared Bat Florida Crabgrass Eastern Indigo Snake Godfrey's Swampprivet Gopher Tortoise Pondspice Florida Spiny-pod Pygmy Pipes Florida Long-tailed Weasel Southeastern Bat Celestial Lily Round-tailed Muskrat Striped Newt Florida Pine Snake Florida Mouse Giant Orchid Florida Mountain-mint Gopher Frog Sherman's Fox Squirrel Pinkroot Short-tailed Snake	G3 G3 GNA G1Q GNA G4T3 G2Q G3G4 G1 G3 G2 G3 G4T3 G3 G4T3 G3 G4T3 G3 G4T3 G3 G4T3 G3 G4T3 G3 G4T3 G3 G4T3 G3 G4T3 G3 G4T3 G3 G4T3 G4 G4T3 G4 G4 G4 G4 G4 G4 G4 G4 G4 G4 G4 G4 G4	\$2 \$3 \$1 \$1 \$3 \$2 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	2222222 222222222222222	E N N N N S E N N T E T E E E N N E N N S S T T S S E T
Matrix Unit ID: 27489 Likely					
Mesic flatwoods Upland hardwood forest		G4 G5	S4 S3	N N	N N
Potential					
Agrimonia incisa Aimophila aestivalis Asplenium heteroresiliens Asplenium plenum Asplenium x curtissii Athene cunicularia floridana	Incised Groove-bur Bachman's Sparrow Wagner's Spleenwort Ruffled spleenwort Curtiss' Spleenwort Florida Burrowing Owl	G3 G3 GNA G1Q GNA G4T3	S2 S3 S1 S1 S1 S3	N N N N N	LE N N N N LS

Definitions: Documented - Rare species and natural communities documented on or near this site.



Biodiversity Matrix Report



Natural Areas	·				
Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	N	LE
Corynorhinus rafinesquii	Rafinesque's Big-eared Bat	G3G4	S2	N	N
Digitaria floridana	Florida Crabgrass	G1	S1	. N	N
Drymarchon couperi	Eastern Indigo Snake	G3	S3	ĹŤ	LT
Forestiera godfreyi	Godfrey's Swampprivet	G2	S2	· N	ĹĖ
Gopherus polyphemus	Gopher Tortoise	G3	· S3	N	LT
Heterodon simus	Southern Hognose Snake	G2	S2	N	N
Matelea floridana	Florida Spiny-pod	G2	S2	N	ĹĚ
Monotropsis reynoldsiae	Pygmy Pipes	G1Q	S1	N	LE
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	Ň	N
Myotis austroriparius	Southeastern Bat	G3G4	· S3	N	N
Nemastylis floridana	Celestial Lily	G2	S2	N	LE
Neofiber alleni	Round-tailed Muskrat	G3	S3	N	N
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N	N
Picoides borealis	Red-cockaded Woodpecker	G2G3	S2	LE	ĽS
Pituophis melanoleucus mugitus	Florida Pine Snake	G4T3	S3	N	LS
Podomys floridanus	Florida Mouse	G3	S3	N	LS
Pteroglossaspis ecristata	Giant Orchid	G2G3	S2	N	LT
		G2G3 G3	S2 S3	N	LT
Pycnanthemum floridanum	Florida Mountain-mint	G3			
Rana capito	Gopher Frog		S3	N	LS
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS
Spigelia loganioides	Pinkroot	G2Q	S2	N	LE
Stilosoma extenuatum	Short-tailed Snake	G3	S3	N	LT
Triphora craigheadii	Craighead's Nodding-caps	G1	S1	N	LE
Matrix Unit ID: 27490					•
Likely	•				
Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT
Mycteria americana	Wood Stork	G4	S2	LE	LE
Scrub		G2	S2	N	N
Upland hardwood forest		G5	S3	N	N
Potential					
Agrimonia incisa	Incised Groove-bur	G3	S2	N	ĽE
Aimophila aestivalis	Bachman's Sparrow	G3	S3	Ň	N
Asplenium heteroresiliens	Wagner's Spleenwort	GNA	S1	Ň	N
Asplenium plenum	Ruffled spleenwort	G1Q	S1	N	Ň
Asplenium x curtissii	Curtiss' Spleenwort	GNA	· S1	N	Ň
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	· S3	N	LS
Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	N .	LE
Corynorhinus rafinesquii	Rafinesque's Big-eared Bat	G3G4	S2 S2	N N	N
	Florida Crabgrass	G3G4 G1	S1	N	N
Digitaria floridana		G2	S2	N N	LE
Forestiera godfreyi	Godfrey's Swampprivet	G2 G3			
Gopherus polyphemus	Gopher Tortoise		S3	N	LT
Matelea floridana	Florida Spiny-pod	G2	S2 .	N	LE
Monotropsis reynoldsiae	Pygmy Pipes	G1Q CET2	S1	N .	LE
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N	N
Myotis austroriparius	Southeastern Bat	G3G4	S3	N	Ŋ
Nemastylis floridana	Celestial Lily	G2	S2	N	LE

Definitions: Documented - Rare species and natural communities documented on or near this site.



Biodiversity Matrix Report



NATUTAL ATTERS INVENTORY	•	Global	State	Federal	State
Scientific Name	Common Name	Rank	Rank	Status	Listing
Neofiber alleni Notophthalmus perstriatus Pituophis melanoleucus mugitus Podomys floridanus Pteroglossaspis ecristata Pycnanthemum floridanum Rana capito Sciurus niger shermani Spigelia loganioides Stilosoma extenuatum	Round-tailed Muskrat Striped Newt Florida Pine Snake Florida Mouse Giant Orchid Florida Mountain-mint Gopher Frog Sherman's Fox Squirrel Pinkroot Short-tailed Snake	G3 G2G3 G4T3 G3 G2G3 G3 G3 G5T3 G2Q G3	\$3 \$2\$3 \$3 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3	222222	N LS LS LT LT LS LS LE LT
Matrix Unit ID: 27769					
Likely	•	•			
Drymarchon couperi Mesic flatwoods Upland hardwood forest	Eastern Indigo Snake	G3 G4 G5	S3 S4 S3	LT N N	LT N N
Potential					
Agrimonia incisa Aimophila aestivalis Asplenium heteroresiliens Asplenium plenum Asplenium x curtissii Athene cunicularia floridana Centrosema arenicola Digitaria floridana Forestiera godfreyi Gopherus polyphemus Heterodon simus Matelea floridana Monotropsis reynoldsiae Mustela frenata peninsulae Myotis austroriparius Nemastylis floridana Neofiber alleni Notophthalmus perstriatus Picoides borealis Pituophis melanoleucus mugitus Podomys floridanus Pteroglossaspis ecristata Pycnanthemum floridanum Rana capito Sciurus niger shermani Spigelia loganioides Stilosoma extenuatum	Incised Groove-bur Bachman's Sparrow Wagner's Spleenwort Ruffled spleenwort Curtiss' Spleenwort Florida Burrowing Owl Sand Butterfly Pea Florida Crabgrass Godfrey's Swampprivet Gopher Tortoise Southern Hognose Snake Florida Spiny-pod Pygmy Pipes Florida Long-tailed Weasel Southeastern Bat Celestial Lily Round-tailed Muskrat Striped Newt Red-cockaded Woodpecker Florida Pine Snake Florida Mouse Giant Orchid Florida Mountain-mint Gopher Frog Sherman's Fox Squirrel Pinkroot Short-tailed Snake	G3 G3 GNA G1Q GNA G4T3 G2Q G1 G2 G3 G2C G3 G4T3 G3 G4T3 G3 G4T3 G3 G4T3 G3 G4T3 G3 G4T3 G3 G4T3 G3 G4T3 G3 G4T3 G3 G4T3 G4T	\$2 \$3 \$1 \$1 \$1 \$3 \$2 \$1 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	zzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzz	E N N N N S E N E L N E E N N N N S E N E L N E E N N N S E N E E E E E E E E E E E

Matrix Unit ID: 27770

Likely

Definitions: Documented - Rare species and natural communities documented on or near this site.





Natural Areas		•		10	31
INVENTORY		Global	State	Federal	State
Scientific Name	Common Name	Rank	Rank	Status	Listing
Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT
Mesic flatwoods		G4	S4	N	N
Upland hardwood forest		G5	S3	N	N
Potential		-,			
	torio ed Oranos hora	C 2	CO	NI.	16
Agrimonia incisa	Incised Groove-bur	G3	S2	N	LE
Aimophila aestivalis	Bachman's Sparrow	G3	S3	N	N
Asplenium heteroresiliens	Wagner's Spleenwort	GNA ·	S1	N	N
Asplenium plenum	Ruffled spleenwort	G1Q	. S1	N	N.
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	N	LS
Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	N	LE
Digitaria floridana	Florida Crabgrass	G1	S1	, N	N
Forestiera godfreyi	Godfrey's Swampprivet	G2	S2	N	LE
Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT
Matelea floridana	Florida Spiny-pod	G2	S2	N	LE
Monotropsis reynoldsiae	Pygmy Pipes	G1Q	S1	N	LE
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N	Ν.
Myotis austroriparius	Southeastern Bat	G3G4	S3	N	N
Nemastylis floridana	Celestial Lily	G2	S2	N	LE
Neofiber alleni	Round-tailed Muskrat	G3	S3	N	N
Pituophis melanoleucus mugitus	Florida Pine Snake	G4T3 [~]	S3	N	LS
Podomys floridanus	Florida Mouse	G3	S3	N	LS
Pteroglossaspis ecristata	Giant Orchid	G2G3	S2	Ν	LT
Pycnanthemum floridanum	Florida Mountain-mint	G3	S3	N	LT
Rana capito	Gopher Frog	G3	S3	N	LS
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS
Spigelia loganioides	Pinkroot	G2Q	S2	N	LE
Stilosoma extenuatum	Short-tailed Snake	G3	S3	N	LT
Matrix Unit ID: 28057		,			
Likely	•				
Dicerandra cornutissima	Longspurred Mint	G1	S1	LE	LE
Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT
Heterodon simus	Southern Hognose Snake	G2	S2	N	N
Mesic flatwoods	· · · · · · · · · · · · · · · · · · ·	G4	S4	N	N.
Sandhill		G3	S2	N	N
Stilosoma extenuatum	Short-tailed Snake	G3	S3	N	LT
Potential				,	
Agrimonia incisa	Incised Groove-bur	G3	S2	· N	LE .
Aimophila aestivalis	Bachman's Sparrow	G3	S3	N	N
Asplenium heteroresiliens	Wagner's Spleenwort	GNA	S1	N	N
Asplenium plenum	Ruffled spleenwort	G1Q	S1	N	N
Asplenium x curtissii	Curtiss' Spleenwort	GNA	S1	N	N
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	Ň	LS
Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	Ň	LE
Digitaria floridana	Florida Crabgrass	G1	S1	N	N
Gopherus polyphemus	Gopher Tortoise	G3	S3	N	ĹŤ
Matelea floridana	Florida Spiny-pod	G2	S2	N	ĹΕ
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Definitions: Documented - Rare species and natural communities documented on or near this site.





Natural Areas		E		31,	
INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
A 2					
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N	N
Myotis austroriparius	Southeastern Bat	G3G4	S3	N	N
Nemastylis floridana	Celestial Lily	G2	S2	N	LE
Neofiber alleni	Round-tailed Muskrat	G3 -	S3	N	· N
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N	N
Podomys floridanus	Florida Mouse	G3	S3	N	LS
Pteroglossaspis ecristata	Giant Orchid	G2G3	S2	N	LT
Pycnanthemum floridanum	Florida Mountain-mint	.G3	S3	N	LT
Rana capito	Gopher Frog	G3	S3	Ν	LS
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS
Spigelia loganioides	Pinkroot	G2Q	S2	N	LE
Matrix Unit ID: 28058		·			
Likely		•			
. •	Florida Comdo inc		00		1 7
Aphelocoma coerulescens	Florida Scrub-jay	G2	S2	LT	LT
Dicerandra cornutissima	Longspurred Mint	G1	S1	LE	LE
Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT
Heterodon simus	Southern Hognose Snake	G2	S2	N	N
Sandhill		G3	S2	N	N
Stilosoma extenuatum	Short-tailed Snake	G3	S3	N	LT
Upland hardwood forest		G5	S3	N	N
Potential					
Agrimonia incisa	Incised Groove-bur	G3	S2	N.	LE
Aimophila aestivalis	Bachman's Sparrow	G3	S3	N	N
Asplenium heteroresiliens	Wagner's Spleenwort	GNA	S1	Ñ	Ñ
Asplenium plenum	Ruffled spleenwort	G1Q	S1	N	N
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	N	ĹŠ
Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	N	ĹĔ
Digitaria floridana	Florida Crabgrass	G1	S1	N	N
Forestiera godfreyi	Godfrey's Swampprivet	G2	S2	N	LE
	Gopher Tortoise	G2 G3	S3	N	LT
Gopherus polyphemus Matelea floridana	Florida Spiny-pod	G2	S2	N	LE
Monotropsis reynoldsiae	Pygmy Pipes	G1Q	S1	N	LE
	Florida Long-tailed Weasel	G5T3	S3	N	N .
Mustela frenata peninsulae	Southeastern Bat	G3G4	S3	N	N
Myotis austroriparius		G3G4 G2	S2	N	LE
Nemastylis floridana	Celestial Lily Round-tailed Muskrat	G2 G3	S3		
Neofiber alleni			\$2S3	N	N
Notophthalmus perstriatus	Striped Newt	G2G3		N	N
Pituophis melanoleucus mugitus	Florida Pine Snake	G4T3	S3	N	LS
Podomys floridanus	Florida Mouse	G3	S3	N	LS
Pteroglossaspis ecristata	Giant Orchid	G2G3	S2	N	LT
Pycnanthemum floridanum	Florida Mountain-mint	. G3	S3	N	LT
Rana capito	Gopher Frog	G3	S3	N	LS
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	.N	LS
Sideroxylon alachuense	Silver Buckthorn	G1	S1	N	LE
Spigelia loganioides	Pinkroot	G2Q	S2	N	LE
					4

atrix Unit ID: 28345

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.

Page 13 of 16





Natural Areas				1851			
INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing		
Likely							
Aphelocoma coerulescens Dicerandra cornutissima Drymarchon couperi Heterodon simus Mesic flatwoods Mycteria americana Sandhill Stilosoma extenuatum	Florida Scrub-jay Longspurred Mint Eastern Indigo Snake Southern Hognose Snake Wood Stork Short-tailed Snake	G2 G1 G3 G2 G4 G4 G3 G3	S2 S1 S3 S2 S4 S2 S2 S2 S3	LT LE LT N N LE N	LT LE LT N N LE N LT		
Potential							
Agrimonia incisa Aimophila aestivalis Asplenium heteroresiliens Asplenium plenum Athene cunicularia floridana Centrosema arenicola Digitaria floridana Gopherus polyphemus Matelea floridana Monotropsis reynoldsiae Mustela frenata peninsulae Myotis austroriparius Nemastylis floridana Neofiber alleni Notophthalmus perstriatus Pituophis melanoleucus mugitus Podomys floridanus Pteroglossaspis ecristata Pycnanthemum floridanum Rana capito Sciurus niger shermani Spigelia loganioides	Incised Groove-bur Bachman's Sparrow Wagner's Spleenwort Ruffled spleenwort Florida Burrowing Owl Sand Butterfly Pea Florida Crabgrass Gopher Tortoise Florida Spiny-pod Pygmy Pipes Florida Long-tailed Weasel Southeastern Bat Celestial Lily Round-tailed Muskrat Striped Newt Florida Pine Snake Florida Mouse Giant Orchid Florida Mountain-mint Gopher Frog Sherman's Fox Squirrel Pinkroot	G3 G3 GNA G1Q G4T3 G2Q G1 G3 G2G3 G4T3 G3 G4T3 G3 G2G3 G3 G4T3 G3 G2G3 G3 G2G3	\$2 \$3 \$1 \$1 \$3 \$2 \$1 \$3 \$2 \$1 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	22222222222222222	E Z Z Z S E Z T E E Z Z E Z Z S S T T S S E		
Matrix Unit ID: 28346							
Likely					. •		
Aphelocoma coerulescens Dicerandra cornutissima Drymarchon couperi Heterodon simus Sandhill Stilosoma extenuatum Upland hardwood forest	Florida Scrub-jay Longspurred Mint Eastern Indigo Snake Southern Hognose Snake Short-tailed Snake	G2 G1 G3 G2 G3 G3 G5	\$2 \$1 \$3 \$2 \$2 \$3 \$3	LT LE LT N N N	LT LE LT N N LT N		
Potential				•			
Agrimonia incisa Aimophila aestivalis Asplenium heteroresiliens	Incised Groove-bur Bachman's Sparrow Wagner's Spleenwort	G3 G3 GNA	S2 S3 S1	N N N	LE N N		

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.

04/15/2008



Biodiversity Matrix Report



NATURAL ATEAS INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Asplenium plenum Athene cunicularia floridana Centrosema arenicola Digitaria floridana Forestiera godfreyi Gopherus polyphemus Matelea floridana Monotropsis reynoldsiae Mustela frenata peninsulae Myotis austroriparius Nemastylis floridana Neofiber alleni Notophthalmus perstriatus Pituophis melanoleucus mugitus Podomys floridanus Pteroglossaspis ecristata Pycnanthemum floridanum Rana capito	Ruffled spleenwort Florida Burrowing Owl Sand Butterfly Pea Florida Crabgrass Godfrey's Swampprivet Gopher Tortoise Florida Spiny-pod Pygmy Pipes Florida Long-tailed Weasel Southeastern Bat Celestial Lily Round-tailed Muskrat Striped Newt Florida Pine Snake Florida Mouse Giant Orchid Florida Mountain-mint Gopher Frog Silver Buckthorn	G1Q G4T3 G2Q G1 G2 G3 G2 G1Q G5T3 G3G4 G2 G3 G2G3 G4T3 G3 G2G3 G4T3 G3 G2G3	\$1 \$3 \$2 \$1 \$2 \$3 \$2 \$3 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3		N S LE N LE N N LE N N LS LT LS LE LS LE LS LE LS LS LT LS LE LS LS LS LT LS LE LS
Sideroxylon alachuense Spigelia loganioides Matrix Unit ID: 28636 Likely Aphelocoma coerulescens Dicerandra comutissima Drymarchon couperi Heterodon simus Mesic flatwoods Mycteria americana Sandhill Stilosoma extenuatum	Florida Scrub-jay Longspurred Mint Eastern Indigo Snake Southern Hognose Snake Wood Stork Short-tailed Snake	G2 G1 G3 G2 G4 G4 G3 G3 G3	\$2 \$1 \$3 \$2 \$4 \$2 \$2 \$3	N LT LE LT N	LE TELT N LE N LT
Agrimonia incisa Aimophila aestivalis Asplenium heteroresiliens Asplenium plenum Athene cunicularia floridana Centrosema arenicola Digitaria floridana Gopherus polyphemus Litsea aestivalis Matelea floridana Monotropsis reynoldsiae Mustela frenata peninsulae Myotis austroriparius Nemastylis floridana Neofiber alleni Notophthalmus perstriatus	Incised Groove-bur Bachman's Sparrow Wagner's Spleenwort Ruffled spleenwort Florida Burrowing Owl Sand Butterfly Pea Florida Crabgrass Gopher Tortoise Pondspice Florida Spiny-pod Pygmy Pipes Florida Long-tailed Weasel Southeastern Bat Celestial Lily Round-tailed Muskrat Striped Newt	G3 G3 GNA G1Q G4T3 G2Q G1 G3 G2 G1Q G5T3 G3G4 G2 G3 G2G3	\$2 \$3 \$1 \$1 \$3 \$2 \$1 \$3 \$2 \$1 \$3 \$2 \$3 \$2 \$3 \$2 \$3	222222222222	E Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z

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





NATUTAL ATTEAS					
INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
	Florida Pine Snake	G4T3	S3	N	LS
Pituophis melanoleucus mugitus	Florida Mouse	G3	S3	N	LS
Podomys floridanus	Giant Orchid	G2G3	S2	N	LT
Pteroglossaspis ecristata		G2G3 G3	S3	N	LT
Pycnanthemum floridanum Rana capito	Florida Mountain-mint Gopher Frog	G3	S3	N	LS
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS
Sciulus Inger shermani Spigelia loganioides	Pinkroot	G2Q	S2	N	LE
Matrix Unit ID: 28637					
Likely	•	·			•
Aphelocoma coerulescens	Florida Scrub-jay	G2	S2	LT	LT
Dicerandra cornutissima	Longspurred Mint	G1	S1	LE	LE
Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT
Heterodon simus	Southern Hognose Snake	G2	S2	N	N
Mycteria americana	Wood Stork	G4	S2	LE .	LE
Sandhill		G3	S2	N	N
Stilosoma extenuatum	Short-tailed Snake	G3	S3	N	LT
Upland hardwood forest		G5	S 3	N	N
Potential					
Agrimonia incisa	Incised Groove-bur	G3	S2	N	LE
Aimophila aestivalis	Bachman's Sparrow	G3	S3	N	N
Asplenium heteroresiliens	Wagner's Spleenwort	GNA	S1 ,	N	N
Asplenium plenum	Ruffled spleenwort	G1Q	S1	Ν	N
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	N	LS
Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	N	LE
Digitaria floridana	Florida Crabgrass	G1	S1	N	N
Forestiera godfreyi	Godfrey's Swampprivet	G2	S2	N	LE
Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT
Litsea aestivalis	Pondspice	G3	S2	N	LE
Matelea floridana	Florida Spiny-pod	G2	S2	· N	LE
Monotropsis reynoldsiae	Pygmy Pipes	G1Q	S1	N	LE
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N	N
Myotis austroriparius	Southeastern Bat	G3G4	S3	N	N
Nemastylis floridana	Celestial Lily	. G2	S2	N	LE

Striped Newt

Florida Mouse

Giant Orchid

Gopher Frog

Pinkroot

Round-tailed Muskrat

Florida Mountain-mint

Sherman's Fox Squirrel

Florida Pine Snake

G3

G2G3

G4T3

G3

G2G3

G3

G3

G5T3

G2Q

S3

S2S3

S3

S3 S2

S3

S3

S3

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Podomys floridanus

Notophthalmus perstriatus

Pteroglossaspis ecristata

Sciurus niger shermani

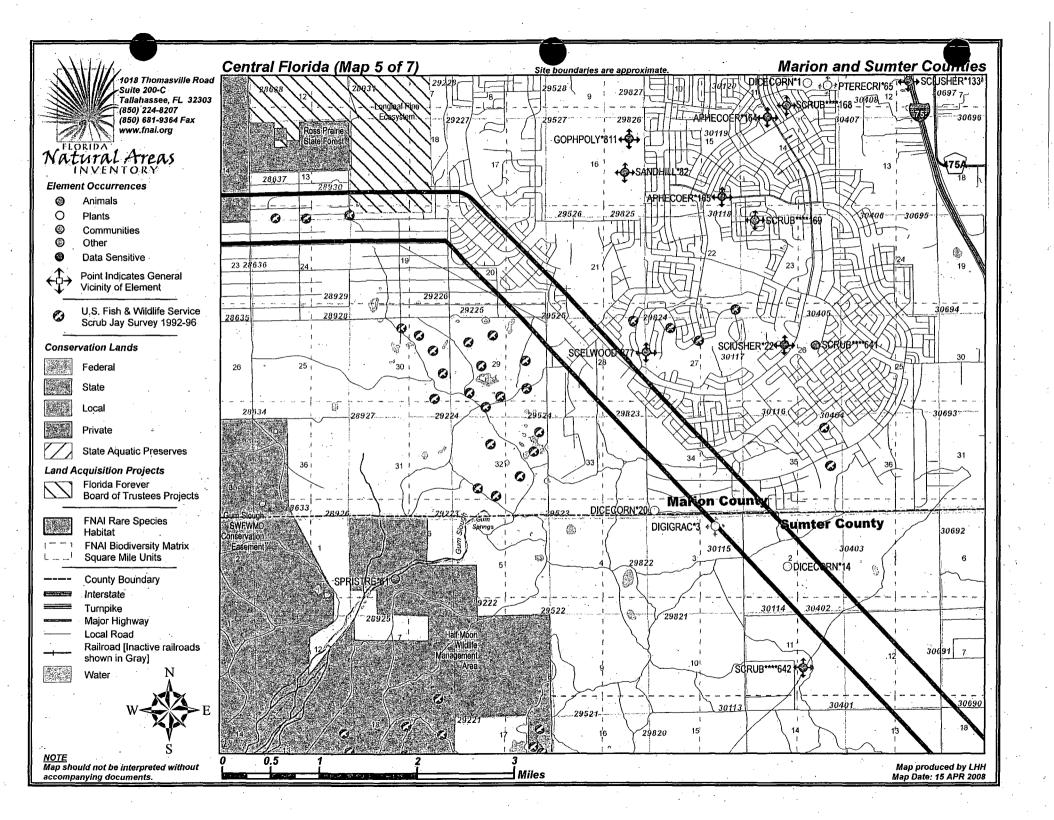
Spigelia loganioides

Pycnanthemum floridanum

Pituophis melanoleucus mugitus

Neofiber alleni

Rana capito







INVENT	ORY	•	Global	State	Federal	State	Observation	า	
Map Label	Scientific Name	Common Name	Rank		Status		Date	Description	EO Comments
GOPHPOLY*811	Gopherus polyphemus	Gopher Tortoise	G3	S3	N .	LŢ	1993-03-08	SANDHILL EO #82: AREA DOMINATED BY TURKEY OAKS, LONGLEAF PINE, AND SOME QUERCUS MARGARETTA; OAKS AND PINES OF VARIOUS AGES	SURVEY.
								THROUGHOUT, SOME PINES VERY MATURE-NOT LOGGED? SOME ENCROACHMENT BY LIVE OAK AND SAND PINE. ON CANDLER SOILS (TYPIC QUARTZIPSAMMEN	
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	S 3	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





INVEN	TORY						Observatio		
Map Label	Scientific Name	Common Name	Rank	Rank	Status	Listing	Date	Description	EO Comments
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	S 1	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	·\$3	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	\$2	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	ו
SCRUB****642	Scrub		G2	\$2	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	\$2 .:	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.





Natural Areas					31.0
INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Matrix Unit ID: 28636					-
Likely					
Aphelocoma coerulescens	Florida Scrub-jay	G2	S2	LT	LT
Dicerandra cornutissima	Longspurred Mint	G1	S1	LE	LE
Drymarchon couperi	Eastern Indigo Snake	. G3	S3	LT '	LT
Heterodon simus	Southern Hognose Snake	G2	S2	N:	N
Mesic flatwoods	3	G4	S4	N	N
Mycteria americana	Wood Stork	. G4	S2	LE	LE
Sandhill		G3	S2	N	N
Stilosoma extenuatum	Short-tailed Snake	G3	S3	N	LT
Potential				•	
Agrimonia incisa	Incised Groove-bur	G3	S2 ⁻	N	LE
Aimophila aestivalis	Bachman's Sparrow	G3	S3	N	N
Asplenium heteroresiliens	Wagner's Spleenwort	GNA	S1	N	N .
Asplenium plenum	Ruffled spleenwort	G1Q	S1	N	Ň
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	N	LS
Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	Ň	ĹĔ
Digitaria floridana	Florida Crabgrass	G1	S1	Ñ	N
Gopherus polyphemus	Gopher Tortoise	. G3	S3	Ň	LT
Litsea aestivalis	Pondspice	G3	S2	N N	LE
Matelea floridana	Florida Spiny-pod	G2	S2	N	LE
Monotropsis reynoldsiae	Pygmy Pipes	G1Q	S1	Ñ	LE
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N	N
Myotis austroriparius	Southeastern Bat	G3G4	S3	N	N
Nemastylis floridana	Celestial Lily	G2	S2	N	LE
Neofiber alleni	Round-tailed Muskrat	G3	S3	N	N
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N	N
Pituophis melanoleucus mugitus	Florida Pine Snake	G4T3	S3	N	LS
Podomys floridanus	Florida Mouse	G3	S3	N	LS
Pteroglossaspis ecristata	Giant Orchid	G2G3	S2	N	LT
Pycnanthemum floridanum	Florida Mountain-mint	G2G3	S3		LT
Rana capito	Gopher Frog	G3	S3	N N	LS
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	
Spigelia loganioides	Pinkroot	G2Q	S2	N	LS LE
atrix Unit ID: 28637					
Likely					
Aphelocoma coerulescens	Florida Scrub-jay	G2	60	.1 ~	1 T
Dicerandra comutissima			S2 S1	LT	LT
Drymarchon couperi	Longspurred Mint Eastern Indigo Snake	G1 G3		LE	LE
Heterodon simus	Southern Hognose Snake	G3 G2	S3	LT	LT
Mycteria americana	Wood Stork		S2	N	N
Sandhill	AAOOD STOLK	G4	S2	LE	LE
	Chart tailed Coales	G3	S2	N	Ň
Stilosoma extenuatum	Short-tailed Snake	G3	S3	N	LT
Upland hardwood forest	•	G5	S3	N	N
Potential				•	
•		· ·			

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1	latural Areas				. 18	51
	INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
	Agrimonia incisa	Incised Groove-bur	G3	S2	N ·	LE
	Aimophila aestivalis	Bachman's Sparrow	G3	S3	N	N
	Asplenium heteroresiliens	Wagner's Spleenwort	GNA	S1	N	N
	Asplenium plenum	Ruffled spleenwort	G1Q	S1	N	N
	Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	Ň	ĹS
	Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	N	LE .
	Digitaria floridana	Florida Crabgrass	. G1	S1	N	N
	Forestiera godfreyi	Godfrey's Swampprivet	G2	S2	Ñ.	ĹĖ
	Gopherus polyphemus	Gopher Tortoise	G3	- S3	N	LT
	Litsea aestivalis	Pondspice	G3	S2 ·	- N	LE.
	Matelea floridana	Florida Spiny-pod	G2	S2	N	ĹĒ
	Monotropsis reynoldsiae	Pygmy Pipes	G1Q	S1	N ·	ΪĒ
	Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N	N
	Myotis austroriparius	Southeastern Bat	G3G4	S3	N	Ň
	Nemastylis floridana	Celestial Lily	G2	S2	N	ĹĔ
	Neofiber alleni	Round-tailed Muskrat	G3	S3	Ň	N
	Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N	N
	Pituophis melanoleucus mugitus	Florida Pine Snake	G4T3	S3	N	ĹS
	Podomys floridanus	Florida Mouse	G3	· S3	N	LS
_		Giant Orchid	G2G3	S2	N	LT
	Pteroglossaspis ecristata	Florida Mountain-mint	G2G3 G3	S3	N	LT
	Pycnanthemum floridanum		- G3	S3	Ň	LS
	Rana capito	Gopher Frog Sherman's Fox Squirrel	G5T3	·S3	N	LS
	Sciurus niger shermani	Pinkroot	G2Q	S2 '	N	LE
,	Spigelia loganioides	PHRIOUE	G2Q	92	IN .	
Mat	rix Unit ID: 28929		4 - 4			
L	ikely			•	•	
	Aphelocoma coerulescens	Florida Scrub-jay	G2	S2	LT	ŁT
	Dicerandra cornutissima	Longspurred Mint	G1	S1	LE	LE
	Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT
•	Heterodon simus	Southern Hognose Snake	G2	S2	Ν.	. N
	Mesic flatwoods		G4	S4	N	N
	Mycteria americana	Wood Stork	G4	S2	LE	LE
	Sandhill		G3	S2	N	N
. P	otential					
	Agrimonia incisa	Incised Groove-bur	G3	S2	N	LE
	Aimophila aestivalis	Bachman's Sparrow	G3	S3	Ν	Ν,
	Asplenium heteroresiliens	Wagner's Spleenwort	GNA	S 1	N	N
	Asplenium plenum	Ruffled spleenwort	G1Q	S 1	, N	N
	Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	N	LS
	Centrosema arenicola	Sand Butterfly Pea	G2Q	S2 .	, N	LE
	Digitaria floridana	Florida Crabgrass	G1	S1	N	N
	Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT
	Litsea aestivalis	Pondspice ·	G3	S2	· N	· LE
	Matelea floridana	Florida Spiny-pod	G2	\$2	N	LE
	Monotropsis reynoldsiae	Pygmy Pipes	G1Q	S1	N	LE.
	Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N	N
	Myotis austroriparius	Southeastern Bat	G3G4	S3	N	N
	•					

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Page 2 of 16





atural Areas

INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal State Status Listing	
Nemastylis floridana Neofiber alleni Notophthalmus perstriatus Podomys floridanus Pteroglossaspis ecristata Pycnanthemum floridanum Rana capito Salix floridana Sceloporus woodi Sciurus niger shermani Spigelia loganioides Stilosoma extenuatum	Celestial Lily Round-tailed Muskrat Striped Newt Florida Mouse Giant Orchid Florida Mountain-mint Gopher Frog Florida Willow Florida Scrub Lizard Sherman's Fox Squirrel Pinkroot Short-tailed Snake	G2 G3 G2G3 G3 G3 G3 G2 G3 G5T3 G2Q G3	\$2 \$3 \$2\$3 \$3 \$2 \$3 \$3 \$2 \$3 \$2 \$3 \$3 \$2 \$3	N LE N N N LS N LT N LT N LS N LE N LE N LE N LS N LE N LS N LE N LS N LS	
Matrix Unit ID: 28930					
Likely		٠		-	
Aphelocoma coerulescens Dicerandra cornutissima Drymarchon couperi Heterodon simus Mycteria americana Sandhill Scrub Stilosoma extenuatum	Florida Scrub-jay Longspurred Mint Eastern Indigo Snake Southern Hognose Snake Wood Stork Short-tailed Snake	G2 G1 G3 G2 G4 G3 G2 G3	S2 S1 S3 S2 S2 S2 S2 S2 S3	LT LT LE LE LT LT N N LE LE N N N N	•
Potential				·	
Agrimonia incisa Aimophila aestivalis Asplenium heteroresiliens Asplenium plenum Athene cunicularia floridana Centrosema arenicola Digitaria floridana Gopherus polyphemus Litsea aestivalis Matelea floridana Monotropsis reynoldsiae Mustela frenata peninsulae Myotis austroriparius Nemastylis floridana Neofiber alleni Notophthalmus perstriatus Podomys floridanus Pteroglossaspis ecristata Rana capito Sceloporus woodi Sciurus niger shermani Spigelia loganioides	Incised Groove-bur Bachman's Sparrow Wagner's Spleenwort Ruffled spleenwort Florida Burrowing Owl Sand Butterfly Pea Florida Crabgrass Gopher Tortoise Pondspice Florida Spiny-pod Pygmy Pipes Florida Long-tailed Weasel Southeastern Bat Celestial Lily Round-tailed Muskrat Striped Newt Florida Mouse Giant Orchid Gopher Frog Florida Scrub Lizard Sherman's Fox Squirrel Pinkroot	G3 G3 GNA G1Q G4T3 G2Q G1 G3 G3 G2 G1Q G5T3 G3G4 G2 G3 G2G3 G3 G2G3 G3 G2G3 G3 G2G3	\$2 \$3 \$1 \$1 \$3 \$2 \$1 \$3 \$2 \$1 \$3 \$2 \$1 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	LE N N N S E N T N N N N N N N N N N N N N N N N N	

atrix Unit ID: 29226

Definitions: Documented - Rare species and natural communities documented on or near this site.





Natural Areas				18	51
INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Likely					
Dicerandra comutissima Drymarchon couperi Heterodon simus Mesic flatwoods Mycteria americana Sandhill Scrub	Longspurred Mint Eastern Indigo Snake Southern Hognose Snake Wood Stork	G1 G3 G2 G4 G4 G3 G2	S1 S3 S2 S4 S2 S2 S2	LE LT N N LE N N	LE LT N N LE N N
Potential					
Agrimonia incisa Aimophila aestivalis Asplenium heteroresiliens Asplenium plenum Athene cunicularia floridana Centrosema arenicola Digitaria floridana Gopherus polyphemus Litsea aestivalis Matelea floridana Monotropsis reynoldsiae Mustela frenata peninsulae Myotis austroriparius Nemastylis floridana Neofiber alleni Notophthalmus perstriatus Podomys floridanus Pteroglossaspis ecristata Pycnanthemum floridanum Rana capito Salix floridana Sceloporus woodi Sciurus niger shermani Spigelia loganioides Stilosoma extenuatum	Incised Groove-bur Bachman's Sparrow Wagner's Spleenwort Ruffled spleenwort Florida Burrowing Owl Sand Butterfly Pea Florida Crabgrass Gopher Tortoise Pondspice Florida Spiny-pod Pygmy Pipes Florida Long-tailed Weasel Southeastern Bat Celestial Lily Round-tailed Muskrat Striped Newt Florida Mouse Giant Orchid Florida Mountain-mint Gopher Frog Florida Willow Florida Scrub Lizard Sherman's Fox Squirrel Pinkroot Short-tailed Snake	G3 G3 GNA G1Q G4T3 G2Q G1 G3 G3 G4 G2 G3 G2G3 G3 G2G3 G3 G2 G3 G2 G3 G2 G3 G2 G3	\$2 \$3 \$1 \$3 \$2 \$1 \$3 \$2 \$1 \$3 \$2 \$1 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3		E z z z S E z T E E E z z E z z S T T S E z S E T
Matrix Unit ID: 29227				•	, •
Likely					
Dicerandra cornutissima Drymarchon couperi Heterodon simus Sandhill Scrub	Longspurred Mint Eastern Indigo Snake Southern Hognose Snake	G1 G3 G2 G3 G2	\$1 \$3 \$2 \$2 \$2	LE LT N N N	LE LT N N
Potential			i		
Agrimonia incisa Aimophila aestivalis Asplenium heteroresiliens	Incised Groove-bur Bachman's Sparrow Wagner's Spleenwort	G3 G3 GNA	S2 S3 S1	N N N	LE N N

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

Page 4 of 16





Natural Areas			1851				
INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing		
Asplenium plenum	Ruffled spleenwort	G1Q	S1	N	N		
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	N	LS		
Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	N	LE		
Digitaria floridana	Florida Crabgrass	G1	S1	N	<u>N</u>		
Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT		
Litsea aestivalis	Pondspice	G3	S2	N	LE		
Matelea floridana	Florida Spiny-pod	G2	S2	N	LE		
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N	N		
Myotis austroriparius	Southeastern Bat	G3G4	S3	N	N		
Nemastylis floridana	Celestial Lily	G2	· S2	N	LE		
Neofiber alleni	Round-tailed Muskrat	G3	S3	N	N		
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N	N		
Pteroglossaspis ecristata	Giant Orchid	G2G3	S2	N	LT		
Rana capito	Gopher Frog	G3	S3	N	LS		
Salix floridana	Florida Willow	G2	S2	N	LE		
Sceloporus woodi	Florida Scrub Lizard	G3	S3	N	N .		
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS		
Spigelia loganioides	Pinkroot	G2Q	S2	Ñ	LE		
Stilosoma extenuatum	Short-tailed Snake	G3	S3	Ñ	LT		
trix Unit ID: 29524	•	: '					
Likely							
Aphelocoma coerulescens	Florida Scrub-jay	G2	S2	LT	LT		
Dicerandra cornutissima	Longspurred Mint	G1	S1 -	LE	LE ·		
Digitaria gracillima	Longleaf Crabgrass	G1	S1	N	N		
Mesic flatwoods	3	G4	S4	N	N		
Mycteria americana	Wood Stork -	G4	S2	LE	LE		
Potential	,						
Agrimonia incisa	Incised Groove-bur	G3	S2	. N	LE		
Aimophila aestivalis	Bachman's Sparrow	G3	S3	N	N		
Asplenium heteroresiliens	Wagner's Spleenwort	GNA	S1	N	N		
Asplenium plenum	Ruffled spleenwort	__ G1Q	S1	N	N		
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	N	LS		
Centrosema arenicola	Sand Butterfly Pea	. G2Q	S2	N	LE		
Digitaria floridana	Florida Crabgrass	G1	S1	N	N ·		
Drymarchon couperi	Eastern Indigo Snake	G3	S3	ĹŤ	ĹŤ		
Forestiera godfreyi	Godfrey's Swampprivet	G2	S2	N	ĹĖ		
Gopherus polyphemus	Gopher Tortoise	G3	S3	N .	LT		
Heterodon simus	Southern Hognose Snake	G2	S2	N	N		
Litsea aestivalis	Pondspice	G3	S2	N	ĹĒ		
		G2	S2	N	LE		
Matelea floridana	Florida Spiny-pod				LE		
Monotropsis reynoldsiae	Pygmy Pipes	G1Q	S1	N			
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N	N		
Myotis austroriparius	Southeastern Bat	G3G4	S3	N	N		
Nemastylis floridana	Celestial Lily	G2	S2	N	LE		
Neofiber alleni	Round-tailed Muskrat	G3	S3	N	N		
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N	N		
Pituophis melanoleucus mugitus	Florida Pine Snake	G4T3	S3	· N	LS		

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Natural Areas						3631				
INVENTORY	•			Global	State	Federal	State			
Scientific Name		Common Name		Rank	Rank	Status	Listing			
Podomys floridanus Pycnanthemum floridanum Rana capito Salix floridana Sceloporus woodi Sciurus niger shermani Spigelia loganioides Stilosoma extenuatum Triphora craigheadii		Florida Mouse Florida Mountain-mint Gopher Frog Florida Willow Florida Scrub Lizard Sherman's Fox Squirrel Pinkroot Short-tailed Snake Craighead's Nodding-caps		G3 G3 G2 G3 G5T3 G2Q G3 G1	\$3 \$3 \$3 \$2 \$3 \$3 \$2 \$3 \$2 \$3	N N N N N N N N N N N N N N N N N N N	LS LT LS LE N LS LE LT LE			
Matrix Unit ID: 29525	•				•					
Likely										
Aphelocoma coerulescens Dicerandra cornutissima Digitaria gracillima Mesic flatwoods Mycteria americana Scrub		Florida Scrub-jay Longspurred Mint Longleaf Crabgrass Wood Stork		G2 G1 G1 G4 G4 G2	S2 S1 S1 S4 S2 S2	LT LE N N LE N	LT LE N N LE N			
Potential										
Agrimonia incisa Aimophila aestivalis Asplenium heteroresiliens Asplenium plenum Athene cunicularia floridana Centrosema arenicola Digitaria floridana Drymarchon couperi Gopherus polyphemus Heterodon simus Litsea aestivalis Matelea floridana Monotropsis reynoldsiae Mustela frenata peninsulae Myotis austroriparius Nemastylis floridana Neofiber alleni Notophthalmus perstriatus Podomys floridanus Pteroglossaspis ecristata Pycnanthemum floridanum Rana capito Salix floridana Sceloporus woodi Sciurus niger shermani Spigelia loganioides Stilosoma extenuatum		Incised Groove-bur Bachman's Sparrow Wagner's Spleenwort Ruffled spleenwort Florida Burrowing Owl Sand Butterfly Pea Florida Crabgrass Eastern Indigo Snake Gopher Tortoise Southern Hognose Snake Pondspice Florida Spiny-pod Pygmy Pipes Florida Long-tailed Weasel Southeastern Bat Celestial Lily Round-tailed Muskrat Striped Newt Florida Mouse Giant Orchid Florida Mountain-mint Gopher Frog Florida Willow Florida Scrub Lizard Sherman's Fox Squirrel Pinkroot Short-tailed Snake		G3 G3 GNA G1Q G4T3 G2Q G1 G3 G3 G2 G3 G2G3 G3 G2G3 G3 G2G3 G3 G2G3 G3 G2G3 G3 G2G3 G3 G2G3 G3 G3 G3 G3 G3 G3 G3 G3 G3 G3 G3 G4 G4 G4 G4 G4 G4 G4 G4 G4 G4 G4 G4 G4	\$2 \$3 \$1 \$1 \$3 \$2 \$1 \$3 \$2 \$1 \$3 \$2 \$2 \$1 \$3 \$2 \$2 \$2 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	N N N N N N T N N N N N N N N N N N N N	ENNNSENTTNEEENNNSTTSENSTT			

atrix Unit ID: 29526

Definitions: Documented - Rare species and natural communities documented on or near this site.





Natural Areas				100	
INVENTORY		Global	State	Federal	State
Scientific Name	Common Name	Rank	Rank	Status	Listing
Likely		,			
Dicerandra comutissima Drymarchon couperi Gopherus polyphemus Heterodon simus Sandhill Scrub	Longspurred Mint Eastern Indigo Snake Gopher Tortoise Southern Hognose Snake	G1 G3 G3 G2 G3 G2	\$1 \$3 \$3 \$2 \$2 \$2 \$2	LE LT N N N	LE LT LT N N
Potential	,				
Agrimonia incisa Aimophila aestivalis Asplenium heteroresiliens Asplenium plenum Athene cunicularia floridana Centrosema arenicola Digitaria floridana Litsea aestivalis Matelea floridana Monotropsis reynoldsiae Mustela frenata peninsulae Myotis austroriparius Nemastylis floridana Neofiber alleni Notophthalmus perstriatus Podomys floridanus Pteroglossaspis ecristata Pycnanthemum floridanum Rana capito Salix floridana Sceloporus woodi Sciurus niger shermani Sideroxylon alachuense Spigelia loganioides Stilosoma extenuatum	Incised Groove-bur Bachman's Sparrow Wagner's Spleenwort Ruffled spleenwort Florida Burrowing Owl- Sand Butterfly Pea Florida Crabgrass Pondspice Florida Spiny-pod Pygmy Pipes Florida Long-tailed Weasel Southeastern Bat Celestial Lily Round-tailed Muskrat Striped Newt Florida Mouse Giant Orchid Florida Mountain-mint Gopher Frog Florida Willow Florida Scrub Lizard Sherman's Fox Squirrel Silver Buckthorn Pinkroot Short-tailed Snake	G3 G3 GNA G1Q G4T3 G2Q G1 G3 G5T3 G3G4 G2 G3 G2G3 G3 G2G3 G3 G2 G3 G5T3 G1 G2Q G3	\$2 \$3 \$1 \$3 \$2 \$1 \$2 \$1 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3		# X X Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z
Matrix Unit ID: 29822					
Documented					
Dicerandra cornutissima	Longspurred Mint	G1	S1	LE	LE .
Likely					
Aphelocoma coerulescens Digitaria gracillima Mesic flatwoods Mycteria americana Sandhill Sandhill upland lake Scrub	Florida Scrub-jay Longleaf Crabgrass Wood Stork	G2 G1 G4 G4 G3 G3 G2	S2 S1 S4 S2 S2 S2 S2 S2	LT N N LE N N	LT N N LE N N N

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

Page 7 of 16

04/15/2008





Natural Areas				1851		
INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing	
Potential						
Agrimonia incisa	Incised Groove-bur	G3	S2	N	LE	
Aimophila aestivalis	Bachman's Sparrow	G3	S3	N	N	
Asplenium heteroresiliens	Wagner's Spleenwort	GNA	S1	N	N	
Asplenium plenum	Ruffled spleenwort	G1Q	S1	Ň	N	
Asplenium x curtissii	Curtiss' Spleenwort	GNÂ	S1	N	N	
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	N	LS	
Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	N	LE	
Corynorhinus rafinesquii	Rafinesque's Big-eared Bat	G3G4	S2	N	N	
Digitaria floridana	Florida Crabgrass	G1	S1	N	N	
Drymarchon couperi	Eastern Indigo Snake	G3	S3	ĹŤ	ĹŤ	
Forestiera godfreyi	Godfrey's Swampprivet	G2	S2	N	ĹĖ	
	Gopher Tortoise	G3	S3	N	LT	
Gopherus polyphemus Heterodon simus		G2	S2	N	N	
	Southern Hognose Snake	G2 G3	S2	N	LE	
Litsea aestivalis	Pondspice	G2	S2 S2		LE	
Matelea floridana	Florida Spiny-pod		S2 S1	N	LE LE	
Monotropsis reynoldsiae	Pygmy Pipes	G1Q		N ·		
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	Ŋ	N	
Myotis austroriparius	Southeastern Bat	G3G4	S3.	N	N	
Nemastylis floridana	Celestial Lily	G2	S2	N	LE	
Neofiber alleni	Round-tailed Muskrat	. G3	S3	N	N	
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N	N	
Pituophis melanoleucus mugitus	Florida Pine Snake	G4T3	S3	N	LS	
Podomys floridanus	Florida Mouse	G3	S3	N	LS	
Pteroglossaspis ecristata	Giant Orchid	G2G3	S2	N	LT	
Rana capito	Gopher Frog	G3	S3	N	LS	
Salix floridana	Florida Willow	G2	S2	N	LE	
Sceloporus woodi	Florida Scrub Lizard	G3	S3	N	N	
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS	
Spigelia loganioides	Pinkroot	G2Q	S2	N	LE	
Triphora craigheadii	Craighead's Nodding-caps	. G1	S1	N	LE	
Matrix Unit ID: 29823						
Documented	6					
Dicerandra cornutissima	Longspurred Mint	G1	S1	LE	LE	
Likely						
Aphelocoma coerulescens	Florida Scrub-jay	G2	S2	LT	LT	
Digitaria gracillima	Longleaf Crabgrass	G1	S1	N	N	
Mesic flatwoods		G4	S4	N	N	
Mycteria americana	Wood Stork	- G4	S2	LE	LE	
Sandhill		G3	S2	N	N	
Scrub		G2	S2	N	N	
Potential			-			
Agrimonia incisa	Incised Groove-bur	G3	S2	N	LE	
Aimophila aestivalis	Bachman's Sparrow	G3	S3	Ň	N	
Asplenium heteroresiliens	Wagner's Spleenwort	GNA	S1	N	N	
- Vohietiinii Hetelolegiilelig	vvagner a opiechwort	CIVA	J1	14	1.4	

Definitions: Documented - Rare species and natural communities documented on or near this site.





1	latural Areas				10	31
	INVENTORY		Global	State	Federal	
	Scientific Name	Common Name	Rank	Rank	Status	Listing
	Asplenium plenum	Ruffled spleenwort	G1Q	S1	N	N
	Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	N	LS
	Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	N	LE
	Digitaria floridana	Florida Crabgrass	G1	S1	N	N
	Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT
	Forestiera godfreyi	Godfrey's Swampprivet	G2	S2	N	LE
	Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT.
	Heterodon simus	Southern Hognose Snake	G2	S2	N	N
	Litsea aestivalis	Pondspice	G3	. S2	Ň	LE
	Matelea floridana	Florida Spiny-pod	G2	S2	N	LE
	Monotropsis reynoldsiae	Pygmy Pipes	G1Q	S1	N	LE
	Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N	N
	Myotis austroriparius	Southeastern Bat	G3G4	\$3	N	N
	Nemastylis floridana	Celestial Lily	G2	S2	Ñ	LE
	Neofiber alleni	Round-tailed Muskrat	G3 ·	S3	N	N
	Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	Ň	N
	Podomys floridanus	Florida Mouse	G3	S3	N	ĹŠ
	Pteroglossaspis ecristata	Giant Orchid	G2G3	· S2	N	LT
	Rana capito	Gopher Frog	G3	S3	N	LS
_	Salix floridana	Florida Willow	G2	S2.	N	LE
	Sceloporus woodi	Florida Scrub Lizard	G3	S3	Ň	N
			G5T3	S3	N	LS
•	Sciurus niger shermani	Sherman's Fox Squirrel Pinkroot	G2Q	S2	N	LE
	Spigelia loganioides Stilosoma extenuatum	Short-tailed Snake	G2Q G3	S3	N	LT
			G3 G1	S1	N	LE
	Triphora craigheadii	Craighead's Nodding-caps	Gi	31	114	. LL
Mat	rix Unit ID: 29824					
	ikely			• •		
	Aphelocoma coerulescens	Florida Scrub-jay	G2	S2	LT	LT
	Dicerandra cornutissima	Longspurred Mint	G2 G1	S1	LE	LE
			G1	S1	. N	N
	Digitaria gracillima Scrub	Longleaf Crabgrass	G2	\$2	N	N
	Scrub		GZ	32	IN	111
F	Potential			•		
	Agrimonia incisa	Incised Groove-bur	G3	S2	N	LE
	Aimophila aestivalis	Bachman's Sparrow	G3	.S3	N	N
	Asplenium heteroresiliens	Wagner's Spleenwort	GNA	S1	Ν	N
	Asplenium plenum	Ruffled spleenwort	G1Q	S1	N	N
	Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	N	LS
	Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	N	LE
	Digitaria floridana	Florida Crabgrass	G1	Š1	N	N
	Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT
	Gopherus polyphemus	Gopher Tortoise	G3	S 3	N	LT
	Heterodon simus	Southern Hognose Snake	G2	S2	N	N .
	Litsea aestivalis	Pondspice	G3	S2	Ň	LE
	Matelea floridana	Florida Spiny-pod	G2	S2	Ň	LE
	Monotropsis reynoldsiae	Pygmy Pipes	G1Q	S1	N	LE
	Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N	N
		Southeastern Bat	G3G4	S3	N	N
	Myotis austroriparius	Southeastern pat	G3G4	33	1.4	IN

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Page 9 of 16





			-	
	Global	State	Federal	State
Common Name	Rank	Rank	Status	Listing
Celestial Lily	G2	S2	N	LE
Round-tailed Muskrat			N	- N
Striped Newt	G2G3	S2S3	Ν	N.
Florida Mouse	. G3	S3	N	LS
Giant Orchid				LT
Gopher Frog				LS
Florida Willow				LE
				N
				LS
				LE
				LT
Florida Black Bear	G5T2	S2	, N	LT*
Longspurred Mint	G1	\$1	LE	LE
Longleaf Crabgrass	G1		N	N ,
			• N	N
	G2	S2	N	N
			-	
Incised Groove-bur	. G3	S2	N	LE
	G3	S3	N	N
	G2	S2	·LT	LT
	GNA	S1	N	N
Ruffled spleenwort	G1 <u>Q</u>	S1	- N	N
Curtiss' Spleenwort	GNA		N	N ·
Florida Burrowing Owl	G4T3		N	LS
Sand Butterfly Pea			N	LE ·
Florida Crabgrass				N
Eastern Indigo Snake				LT
				LT
				N
				LE
				LE
				LE
				N
				N 1
				LE
				N
				N
				LS
				LS
				LT
				LS
Florida Willow	G2 G3	52 53	N N	LE
	Celestial Lily Round-tailed Muskrat Striped Newt Florida Mouse Giant Orchid Gopher Frog Florida Willow Florida Scrub Lizard Sherman's Fox Squirrel Pinkroot Short-tailed Snake Florida Black Bear Longspurred Mint Longleaf Crabgrass Incised Groove-bur Bachman's Sparrow Florida Scrub-jay Wagner's Spleenwort Ruffled spleenwort Curtiss' Spleenwort Florida Burrowing Owl Sand Butterfly Pea Florida Crabgrass Eastern Indigo Snake Gopher Tortoise Southern Hognose Snake Pondspice Florida Spiny-pod Pygmy Pipes Florida Long-tailed Weasel Southeastern Bat Celestial Lily Round-tailed Muskrat Striped Newt Florida Pine Snake Florida Mouse Giant Orchid Gopher Frog Florida Willow	Common Name Celestial Lily Round-tailed Muskrat G3 Striped Newt G2G3 Florida Mouse G3 Giant Orchid G2G3 Gopher Frog Florida Willow G2 Florida Scrub Lizard G3 Sherman's Fox Squirrel Pinkroot G2Q Short-tailed Snake G3 Florida Black Bear Cappear Cappear	Common Name Rank Rank Celestial Lily G2 S2 Round-tailed Muskrat G3 S3 Striped Newt G2G3 S2S3 Florida Mouse G3 S3 Giant Orchid G2G3 S2 Gopher Frog G3 S3 Florida Willow G2 S2 Florida Willow G2 S2 Florida Scrub Lizard G3 S3 Sherman's Fox Squirrel G5T3 S3 Pinkroot G2Q S2 Short-tailed Snake G3 S3 Florida Black Bear G5T2 S2 Longspurred Mint G1 S1 Longleaf Crabgrass G1 S1 Longleaf Crabgrass G1 S1 Longleaf Crabgrass G1 S1 Longleaf Crabgrass G1 S1 Roman's Sparrow G3 S3 Florida Scrub-jay G2 S2 Wagner's Spleenwort GNA S1 <td>Common Name Rank Rank Status Celestial Lily G2 S2 N Round-tailed Muskrat G3 S3 N Striped Newt G2G3 S2S3 N Florida Mouse G3 S3 N Giant Orchid G2G3 S2 N Giant Orchid G2G3 S2 N Florida Willow G2 S2 N Florida Scrub Lizard G3 S3 N Sherman's Fox Squirrel G5T3 S3 N Pinkroot G2Q S2 N Short-tailed Snake G3 S3 N Florida Black Bear G5T2 S2 N Longspurred Mint G1 S1 LE Longspurred Mint G1 S1 N G3 S2 N R Florida Black Bear G5T2 S2 N Longspurred Mint G1 S1 LE Longspur</td>	Common Name Rank Rank Status Celestial Lily G2 S2 N Round-tailed Muskrat G3 S3 N Striped Newt G2G3 S2S3 N Florida Mouse G3 S3 N Giant Orchid G2G3 S2 N Giant Orchid G2G3 S2 N Florida Willow G2 S2 N Florida Scrub Lizard G3 S3 N Sherman's Fox Squirrel G5T3 S3 N Pinkroot G2Q S2 N Short-tailed Snake G3 S3 N Florida Black Bear G5T2 S2 N Longspurred Mint G1 S1 LE Longspurred Mint G1 S1 N G3 S2 N R Florida Black Bear G5T2 S2 N Longspurred Mint G1 S1 LE Longspur

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Florida Scrub Lizard

Pinkroot

Sherman's Fox Squirrel

G3

G5T3

S2 S3

S3

N

Ν

Ν

LS

Page 10 of 16

Sceloporus woodi Sciurus niger shermani

Spigelia loganioides





Natural Areas			•	100	0.50
INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Scientific Name	Common Name	- Adim	, rain	Cutuo	Lioting
Watrix Unit ID: 30115	4.	•			•
Documented					
Dicerandra cornutissima Digitaria gracillima	Longspurred Mint Longleaf Crabgrass	G1 G1	S1 S1	LE N	LE N
	Longical Grabgiass	7 3 1	0.		
Likely		*			
Aphelocoma coerulescens Mesic flatwoods	Florida Scrub-jay	G2 G4	S2 S4	LT N	LT N
Sandhill Scrub		G3 G2	S2 · S2	N N	N N
		. 02	02	1.4	."
Potential		•	·.		
Agrimonia incisa	Incised Groove-bur	G3 .	S2	N	LE
Aimophila aestivalis	Bachman's Sparrow	G3	_ S3	Ν	. N
Asplenium heteroresiliens	Wagner's Spieenwort	GNA	S1	N	N
Asplenium plenum	Ruffled spleenwort	G1Q	S1	Ν	N
Asplenium x curtissii	Curtiss' Spleenwort	GNA	S1	N	N ·
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	N	LS
Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	N	LE
Digitaria floridana	Florida Crabgrass	G1	S1	N	Ν
Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT
Gopherus polyphemus	Gopher Tortoise	G3	S3	N.	ĹŤ
		G2	S2	N	N
Heterodon simus	Southern Hognose Snake				
Litsea aestivalis	Pondspice	G3	S2	N	LE
Matelea floridana	Florida Spiny-pod	G2	S2	N	LE
Monotropsis reynoldsiae	Pygmy Pipes	G1Q	S1	N	LE
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N	N
Myotis austroriparius	Southeastern Bat	G3G4	S3	N	3 N
Nemastylis floridana	Celestial Lily	G2	S2	N	LE
Neofiber alleni	Round-tailed Muskrat	• G3	S3	N	N
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N '	N
	Florida Pine Snake	G4T3	S3	N	LS
Pituophis melanoleucus mugitus		G3	S3		LS
Podomys floridanus	Florida Mouse			N	LT
Pteroglossaspis ecristata	Giant Orchid	G2G3	S2	N	
Rana capito	Gopher Frog	G3	S3	N	LS
Salix floridana	Florida Willow	G2	S2	N'	LE
Sceloporus woodi	Florida Scrub Lizard	G3	S3-	N	N
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	· N	LS
Spigelia loganioides	Pinkroot	G2Q	\$2	N	LE
Matrix Unit ID: 30116					
Likely					
Aphelocoma coerulescens	Florida Scrub-jay	- G2	S2	LT	LT
	Longspurred Mint	G2 G1	S1	LE	LE
Dicerandra cornutissima					
Digitaria gracillima	Longleaf Crabgrass	G1	S1 .	N	N
Mesic flatwoods		G4	S4	N	N
Scrub		G2	S2	N.	N

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NATUTAL FITERS INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Potential		٠	٠		
Agrimonia incisa Aimophila aestivalis Asplenium heteroresiliens Asplenium plenum Asplenium x curtissii Athene cunicularia floridana Centrosema arenicola Digitaria floridana Drymarchon couperi Gopherus polyphemus Heterodon simus Litsea aestivalis Matelea floridana Monotropsis reynoldsiae Mustela frenata peninsulae Myotis austroriparius Nemastylis floridana Neofiber alleni Notophthalmus perstriatus Podomys floridanus Pteroglossaspis ecristata Rana capito Salix floridana Sceloporus woodi Sciurus niger shermani Spigelia loganioides Stilosoma extenuatum	Incised Groove-bur Bachman's Sparrow Wagner's Spleenwort Ruffled spleenwort Curtiss' Spleenwort Florida Burrowing Owl Sand Butterfly Pea Florida Crabgrass Eastern Indigo Snake Gopher Tortoise Southern Hognose Snake Pondspice Florida Spiny-pod Pygmy Pipes Florida Long-tailed Weasel Southeastern Bat Celestial Lily Round-tailed Muskrat Striped Newt Florida Mouse Giant Orchid Gopher Frog Florida Willow Florida Scrub Lizard Sherman's Fox Squirrel Pinkroot Short-tailed Snake	G3 G3 GNA G1Q GNA G4T3 G2Q G1 G3 G2 G3 G2 G5T3 G2 G3 G2 G3 G2 G3 G2 G3 G2 G3 G2 G3 G2 G3 G2 G3 G3 G3 G3 G3 G3 G3 G4 G4 G4 G4 G4 G4 G4 G4 G4 G4 G4 G4 G4	\$2 \$3 \$1 \$1 \$3 \$2 \$1 \$3 \$2 \$2 \$2 \$3 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	zzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzz	ENNN N N N N N N N N N N N N N N N N N
Ursus americanus floridanus	Florida Black Bear	G5T2	S2	. N	LT*
Matrix Unit ID: 30401 Likely			6,	-	
Dicerandra cornutissima Digitaria gracillima Sandhill Scrub	Longspurred Mint Longleaf Crabgrass	G1 G1 G3 G2	S1 S1 S2 S2	LE N N N	LE N N N
Potential					
Agrimonia incisa Aimophila aestivalis Aphelocoma coerulescens Asplenium heteroresiliens Asplenium plenum Asplenium x curtissii Athene cunicularia floridana Centrosema arenicola Digitaria floridana Drymarchon couperi	Incised Groove-bur Bachman's Sparrow Florida Scrub-jay Wagner's Spleenwort Ruffled spleenwort Curtiss' Spleenwort Florida Burrowing Owl Sand Butterfly Pea Florida Crabgrass Eastern Indigo Snake	G3 G2 GNA G1Q GNA G4T3 G2Q G1 G3	\$2 \$3 \$2 \$1 \$1 \$3 \$2 \$1 \$3	2 2 T 2 2 2 2 2 Z T	LE N T N N LS LE N T

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04/15/2008





Natural Areas	
INVENTORY	

Scientific Name	Common Name	 Global Rank	State Rank	Federal Status	State Listing
Gopherus polyphemus Heterodon simus Litsea aestivalis Matelea floridana Monotropsis reynoldsiae Mustela frenata peninsulae Myotis austroriparius Nemastylis floridana Neofiber alleni Notophthalmus perstriatus Pituophis melanoleucus mugitus Podomys floridanus Pteroglossaspis ecristata Rana capito Salix floridana Sceloporus woodi Sciurus niger shermani Spigelia loganioides	Gopher Tortoise Southern Hognose Snake Pondspice Florida Spiny-pod Pygmy Pipes Florida Long-tailed Weasel Southeastern Bat Celestial Lily Round-tailed Muskrat Striped Newt Florida Pine Snake Florida Mouse Giant Orchid Gopher Frog Florida Willow Florida Scrub Lizard Sherman's Fox Squirrel Pinkroot	G3 G2 G3 G2 G1Q G5T3 G3G4 G2 G3 G2G3 G4T3 G3 G2G3 G5T3 G2Q	\$3 \$2 \$2 \$2 \$1 \$3 \$3 \$2 \$3 \$2 \$3 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	22222222222222	L N E E E N N E N N S S L T S E N S S E
trix Unit ID: 30402					•
Likely	•				
Dicerandra cornutissima Digitaria gracillima Sandhill Scrub	Longspurred Mint Longleaf Crabgrass	G1 G1 G3 G2	S1 S1 S2 S2	LE N N	LE N N N
Potential	•				
Agrimonia incisa Aimophila aestivalis Aphelocoma coerulescens Asplenium heteroresiliens Asplenium plenum Asplenium x curtissii Athene cunicularia floridana Centrosema arenicola Digitaria floridana Drymarchon couperi Gopherus polyphemus Heterodon simus Litsea aestivalis Matelea floridana Monotropsis reynoldsiae Mustela frenata peninsulae Myotis austroriparius Nemastylis floridana Neofiber alleni Notophthalmus perstriatus Podomys floridanus Pteroglossaspis ecristata	Incised Groove-bur Bachman's Sparrow Florida Scrub-jay Wagner's Spleenwort Ruffled spleenwort Curtiss' Spleenwort Florida Burrowing Owl Sand Butterfly Pea Florida Crabgrass Eastern Indigo Snake Gopher Tortoise Southern Hognose Snake Pondspice Florida Spiny-pod Pygmy Pipes Florida Long-tailed Weasel Southeastern Bat Celestial Lily Round-tailed Muskrat Striped Newt Florida Mouse Giant Orchid	G3 G2 GNA G1Q GNA G4T3 G2Q G1 G3 G2 G3 G2 G5T3 G3G4 G2 G3 G2G3 G2G3	\$2 \$3 \$2 \$1 \$1 \$3 \$2 \$1 \$3 \$2 \$2 \$2 \$1 \$3 \$2 \$2 \$2 \$3 \$2 \$2 \$3 \$2 \$2 \$2 \$2 \$2 \$3 \$2 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	22222222222222222	U Z Z Z Z Z E Z T T Z E E E Z Z Z E Z Z Z T

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04/15/2008 Page 13 of 16





Material Amage				18	51.8
Natural Areas INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
		···			
Rana capito	Gopher Frog	G3	S3.	N	LS
Salix floridana	Florida Willow	G2	S2	N	LE
Sceloporus woodi	Florida Scrub Lizard	G3	S3	N	N
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS
Spigelia loganioides	Pinkroot	G2Q	S2 ¹	N	LE
Úrsus americanus floridanus	Florida Black Bear	G5T2	S2	N	ŁT*
Matrix Unit ID: 30403					
Likely					•
Aphelocoma coerulescens	Florida Scrub-jay	G2	S2	LT	LT
Dicerandra cornutissima	Longspurred Mint	G1	S1	LE	·LE
Mesic flatwoods		G4	S4	N	N
Sandhill upland lake		G3	S2	N.	. N
Scrub		G2 ·	S2	N	N
			OZ.		. •
Potential Agrimonia incisa	Incised Groove-bur	G3	S2	N	LE
	Wagner's Spleenwort	GNA	S1	N	N
Asplenium heteroresiliens		G1Q	S1	N.	- N
Asplenium plenum	Ruffled spleenwort			N.	N
Asplenium x curtissii	Curtiss' Spleenwort	GNA	S1		
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	N	LS
Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	N	LE .
Digitaria floridana	Florida Crabgrass	G1	S1	N	N
Drymarchon couperi	Eastern Indigo Snake	G3	S3 -	LT	LT
Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT
Heterodon simus	Southern Hognose Snake	G2	S2	N	N
Litsea aestivalis	Pondspice	G3	S2	N	LE
Matelea floridana	Florida Spiny-pod	G2	S2	Ν	LE
Monotropsis reynoldsiae	Pygmy Pipes	G1Q	S1	N	LE
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3.	· S3	N	N
	Southeastern Bat	G3G4	, S3	Ñ	Ň
Myotis austroriparius		· G2	S2	N	ĹĒ
Nemastylis floridana	Celestial Lily	G3	- S3	N	N
Neofiber alleni	Round-tailed Muskrat				N
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3		
Podomys floridanus	Florida Mouse	G3	S3	N	LS
Pteroglossaspis ecristata	Giant Orchid	G2G3	S2	N	LT
Rana capito	Gopher Frog	G3	S3	N	LS
Salix floridana	Florida Willow	G2	S2	N _.	· LE
Sceloporus woodi	Florida Scrub Lizard	G3	S3	N	Ņ
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS
Spigelia loganioides	Pinkroot	G2Q	S2	N	LE
Triphora craigheadii	Craighead's Nodding-caps	G1	S1	N	LE
Ursus americanus floridanus	Florida Black Bear	G5T2	S2	N	LT*
Matrix Unit ID: 30690		•			
Likely					
Dicerandra cornutissima	Longspurred Mint	G1	S1	LE	LE
Digitaria gracillima	Longleaf Crabgrass	G1	S1	. N	N

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Natural Areas				. 18	51.
INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Drymarchon couperi Grus canadensis pratensis Sandhill Scrub	Eastern Indigo Snake Florida Sandhill Crane	G3 G5T2T3 G3 G2	\$3 \$2\$3 \$2 \$2	LT N N N	LT LT N N
Potential	•			•	
Agrimonia incisa Aimophila aestivalis Aphelocoma coerulescens Asplenium heteroresiliens Asplenium plenum Asplenium x curtissii Athene cunicularia floridana Centrosema arenicola Digitaria floridana Gopherus polyphemus Heterodon simus Matelea floridana Monotropsis reynoldsiae Mustela frenata peninsulae Myotis austroriparius Nemastylis floridana Neofiber alleni Notophthalmus perstriatus Pituophis melanoleucus mugitus Podomys floridanus Pteroglossaspis ecristata Rana capito Salix floridana Sciurus niger shermani Spigelia loganioides	Incised Groove-bur Bachman's Sparrow Florida Scrub-jay Wagner's Spleenwort Ruffled spleenwort Curtiss' Spleenwort Florida Burrowing Owl Sand Butterfly Pea Florida Crabgrass Gopher Tortoise Southern Hognose Snake Florida Spiny-pod Pygmy Pipes Florida Long-tailed Weasel Southeastern Bat Celestial Lily Round-tailed Muskrat Striped Newt Florida Pine Snake Florida Mouse Giant Orchid Gopher Frog Florida Willow Sherman's Fox Squirrel Pinkroot	G3 G2 GNA G1Q GNA G4T3 G2Q G1 G5T3 G3G4 G2 G3 G4T3 G3 G4T3 G3 G2G3 G4T3 G2G3 G4T3	\$2 \$3 \$2 \$1 \$1 \$3 \$2 \$1 \$3 \$2 \$1 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	2272222222222222222	ENTNANGENTNEENNANGETSESE
Stilosoma extenuatum Ursus americanus floridanus	Short-tailed Snake Florida Black Bear	G3 G5T2	S3 S2	N N	LT LT*
Matrix Unit ID: 30691					
Likely					,
Dicerandra cornutissima Drymarchon couperi Grus canadensis pratensis Sandhill Scrub	Longspurred Mint Eastern Indigo Snake Florida Sandhill Crane	G1 G3 G5T2T3 G3 G2	\$1 \$3 \$2\$3 \$2 \$2	LE LT N N	LE LT LT N
Potential					
Agrimonia incisa Aphelocoma coerulescens Asplenium heteroresiliens Asplenium plenum Asplenium x curtissii Athene cunicularia floridana	Incised Groove-bur Florida Scrub-jay Wagner's Spleenwort Ruffled spleenwort Curtiss' Spleenwort Florida Burrowing Owl	G3 G2 GNA G1Q GNA G4T3	S2 S2 S1 S1 S1 S3	N L ^T N N N	LE LT N N N LS

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Page 15 of 16

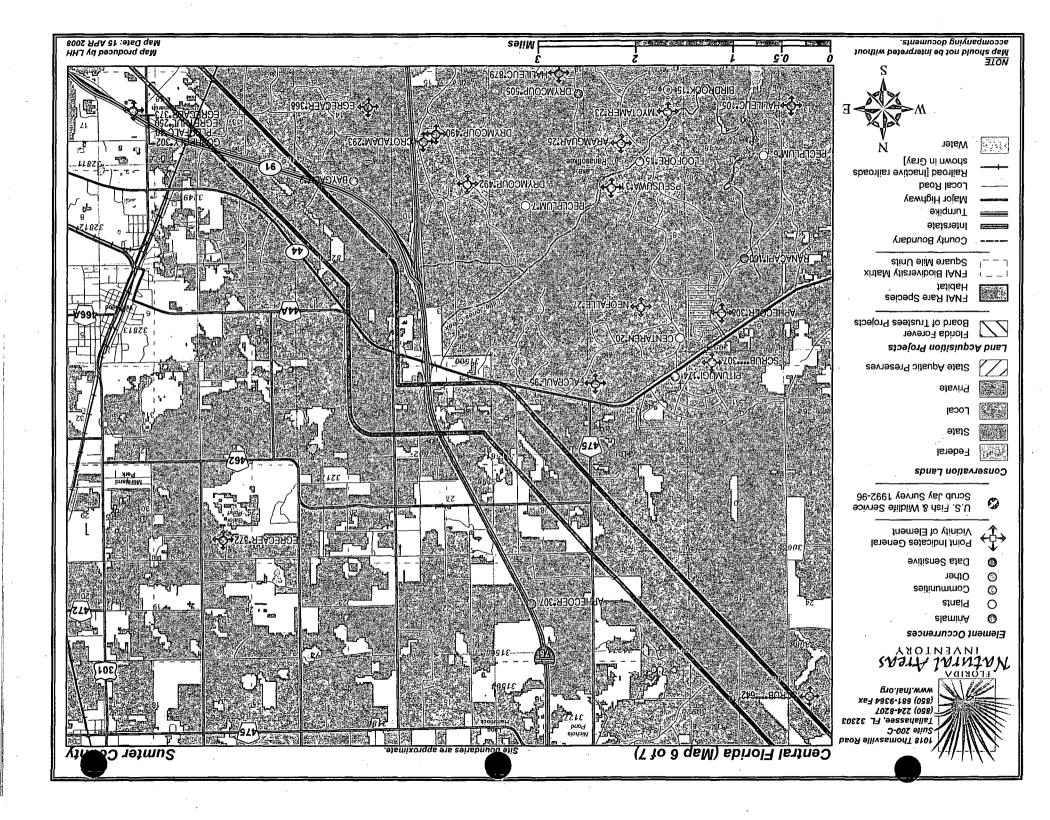




Natural Areas

Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing	
 Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	N	LE	
Digitaria floridana	Florida Crabgrass	G1	S1	N	N	
Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT	
Heterodon simus	Southern Hognose Snake	G2 -	S2	N	N	
Matelea floridana	Florida Spiny-pod	G2	· S2	N	LE	
Monotropsis reynoldsiae	Pygmy Pipes	G1Q	S1	N	LE	
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N	N	
Myotis austroriparius	Southeastern Bat	G3G4	S3	N	. N	
Nemastylis floridana	Celestial Lily	G2	S2	N ·	LE	
Neofiber alleni	Round-tailed Muskrat	G3	S3	N	N	
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N	N	
Pituophis melanoleucus mugitus	Florida Pine Snake	G4T3	S3	N	LS	
Podomys floridanus	Florida Mouse	G3	S3	N	LS	
Pteroglossaspis ecristata	Giant Orchid	G2G3	S2	N	LT	
Rana capito	Gopher Frog	G3	S3 ·	N .	LS	
Salix floridana	Florida Willow	G2	S2	N	LE	
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS	
Spigelia loganioides	Pinkroot	G2Q	S2	N	LÉ	
Stilosoma extenuatum	Short-tailed Snake	G3	S3	N	LT	
Ursus americanus floridanus	Florida Black Bear	G5T2	S2	N	LT*	

Definitions: Documented - Rare species and natural communities documented on or near this site.







INVENTORY		'ENTORY					Observation				
Map Label	Scientific Name	Common Name	Rank	Rank	Status	Listing	Date	Description	EO Comments		
SCRUB****307	Scrub		G2	S2	N	Ň	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: 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	\$3	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.		





INVENT	ORY	·	Global State Federal State Observation								
Map Label	Scientific Name	Common Name	Rank	Rank	Status	Listing	Date	Description	EO Comments		
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 an Floodplain Marsh (U97GFC02FLUS).	d1991: 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 guarauna	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).		



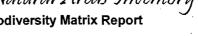
INVENT	ORY		Global	State	Federal	State	Observation	·	
Map Label	Scientific Name	Common Name	Rank	Rank	Status	Listing	Date	Description	EO Comments
DRYMCOUP*492	Drymarchon couperi	Eastern Indigo Snake	G3	\$3	LT	LT	2004-03-16	2004-03-16 (J. DeAngelis): one indigo was observed in an isolated upland community of Quercus geminata, Quercus myrtifolia, Quercus chapmani, and Serenoa repens (PNDDEA03FLUS, U04DEA01FLUS).	2004: J. DeAnglis 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).





INVENTORY			Global	State	Federa	l State	n			
Map Label	Scientific Name	Common Name	Rank	Rank	Status	Listing	Date	Description	EO Comments	
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 OMARGARETTA), ARISTIDA STRICTA, BAHIA GRASS (PNDEA03FLUS).	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% ope sand in grassy areas, isolated wetlands; burned late February 2003; all marshes and wetlands filled in March (U03DEA01FLUS).		







Natural Areas				. 10	31
INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Matrix Unit ID: 30689					
Likely					
Dicerandra cornutissima Digitaria gracillima Drymarchon couperi Grus canadensis pratensis Sandhill Scrub	Longspurred Mint Longleaf Crabgrass Eastern Indigo Snake Florida Sandhill Crane	G1 G1 G3 G5T2T3 G3 G2	\$1 \$3 \$2\$3 \$2 \$2 \$2	LE N LT N N	LE N LT LT N N
Potential		. •			
Agrimonia incisa Aimophila aestivalis Aphelocoma coerulescens Asplenium heteroresiliens Asplenium plenum Asplenium x curtissii Athene cunicularia floridana Centrosema arenicola Digitaria floridana Gopherus polyphemus Heterodon simus Matelea floridana Monotropsis reynoldsiae Mustela frenata peninsulae Myotis austroriparius Nemastylis floridana Neofiber alleni Notophthalmus perstriatus Pituophis melanoleucus mugitus Podomys floridanus Pteroglossaspis ecristata Rana capito Salix floridana Sciurus niger shermani Spigelia loganioides	Incised Groove-bur Bachman's Sparrow Florida Scrub-jay Wagner's Spleenwort Ruffled spleenwort Curtiss' Spleenwort Florida Burrowing Owl Sand Butterfly Pea Florida Crabgrass Gopher Tortoise Southern Hognose Snake Florida Spiny-pod Pygmy Pipes Florida Long-tailed Weasel Southeastern Bat Celestial Lily Round-tailed Muskrat Striped Newt Florida Pine Snake Florida Mouse Giant Orchid Gopher Frog Florida Willow Sherman's Fox Squirrel Pinkroot	G3 G3 G2 GNA G1Q GNA G4T3 G2 G1 G5T3 G3G4 G2 G3 G4T3 G3 G4T3 G3 G2G3 G4T3 G3 G2G3 G4T3	\$2 \$3 \$1 \$1 \$3 \$2 \$1 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	zzzzzzzzzzzzzzzzzzzzzzzzz	E z L z z z S E z L z E E z z E z z S S L S E S E
Matrix Unit ID: 30690		•			
Likely					
Dicerandra cornutissima Digitaria gracillima Drymarchon couperi Grus canadensis pratensis Sandhill Scrub	Longspurred Mint Longleaf Crabgrass Eastern Indigo Snake Florida Sandhill Crane	G1 G1 G3 G5T2T3 G3 G2	\$1 \$1 \$3 \$2\$3 \$2 \$2	LE N LT N N	LE N LT LT N N
Potential					
Agrimonia incisa Aimophila aestivalis	Incised Groove-bur Bachman's Sparrow	G3 G3	S2 S3	N N	LE N

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.







NATUTAL FITEAS INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Aphelocoma coerulescens	Florida Scrub-jay	G2	S2	LT	LT
Asplenium heteroresiliens	Wagner's Spleenwort	GNA	S1	N	N
Asplenium plenum	Ruffled spleenwort	G1Q	S1	N	Ň
Asplenium x curtissii	Curtiss' Spleenwort	GNA	S1	N	N
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	Ň	ĹŞ
Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	Ñ	LE .
Digitaria floridana	Florida Crabgrass	G1	S1	Ñ	N
Gopherus polyphemus	Gopher Tortoise	G3	\$3	N	ĹŤ
Heterodon simus	Southern Hognose Snake	G2	S2	Ñ	N
Matelea floridana	Florida Spiny-pod	G2	S2	N	LE
Monotropsis reynoldsiae	Pygmy Pipes	G1Q	S1	N	LE
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S 3	Ñ.	N
Myotis austroriparius	Southeastern Bat	G3G4	S3	N	N
Nemastylis floridana	Celestial Lily	G2	S2	N	LE
Neofiber alleni	Round-tailed Muskrat	G3	S3	Ñ.	N
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N	N
Pituophis melanoleucus mugitus	Florida Pine Snake	G4T3	S3	N	LS
Podomys floridanus	Florida Mouse	G3	S3	N	ĹŠ
Pteroglossaspis ecristata	Giant Orchid	G2G3	S2	N	LT
Rana capito	Gopher Frog	G3	S3	· N	LS
Salix floridana	Florida Willow	G2	S2	N	LÉ
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	Ň	LS
Spigelia loganioides	Pinkroot	G2Q	S2	N	LE
Stilosoma extenuatum	Short-tailed Snake	G3	S3	N	LT
Ursus americanus floridanus	Florida Black Bear	G5T2	S2	N	LT*
Matrix Unit ID: 30978					
Likely					
Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT
Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Potential					
Agrimonia incisa	Incised Groove-bur	G3	S2	N	LE
Asplenium heteroresiliens	Wagner's Spleenwort	GNA	S1	N	N
Asplenium plenum	Ruffled spleenwort	G1Q	S1	N	N
Asplenium x curtissii	Curtiss' Spleenwort	GNA	·S1	N	Ν
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	N	LS
Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	Ν	LE
Digitaria floridana	Florida Crabgrass	G1	S1	N	N
Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT
Heterodon simus	Southern Hognose Snake	- G2	S2	N	N
Matelea floridana	Florida Spiny-pod	G2	S2	N	LE
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N-	N
Myotis austroriparius	Southeastern Bat	G3G4	S3	Ņ	N
Nemastylis floridana	Celestial Lily	G2	S2	N	LE
Neofiber alleni	Round-tailed Muskrat	G3	S3	N	N
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N	N
Pituophis melanoleucus mugitus	Florida Pine Snake	G4T3	S3	N	LS
Podomys floridanus	Florida Mouse	G3	S3	· N	ĹŠ
_				•	

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.

Page 2 of 16





Natural Areas			1851				
INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing		
Pteroglossaspis ecristata Rana capito Salix floridana Sciurus niger shermani Spigelia loganioides Ursus americanus floridanus	Giant Orchid Gopher Frog Florida Willow Sherman's Fox Squirrel Pinkroot Florida Black Bear	G2G3 G3 G2 G5T3 G2Q G5T2	\$2 \$3 \$2 \$3 \$2 \$3 \$2 \$2	N N N N N	LT LS LE LS LE LT*		
Matrix Unit ID: 30979							
Likely		٠	:				
Drymarchon couperi Grus canadensis pratensis Upland hardwood forest	Eastern Indigo Snake Florida Sandhill Crane	G3 G5T2T3 G5	S3 S2S3 S3	LT N N	LT LT N		
Potential							
Agrimonia incisa Asplenium heteroresiliens Asplenium plenum Asplenium x curtissii Athene cunicularia floridana Centrosema arenicola Digitaria floridana Forestiera godfreyi Gopherus polyphemus Heterodon simus Matelea floridana Monotropsis reynoldsiae Mustela frenata peninsulae Myotis austroriparius Nemastylis floridana Neofiber alleni Pituophis melanoleucus mugitus Podomys floridanus Pteroglossaspis ecristata Rana capito Salix floridana Sciurus niger shermani Spigelia loganioides Triphora craigheadii	Incised Groove-bur Wagner's Spleenwort Ruffled spleenwort Curtiss' Spleenwort Florida Burrowing Owl Sand Butterfly Pea Florida Crabgrass Godfrey's Swampprivet Gopher Tortoise Southern Hognose Snake Florida Spiny-pod Pygmy Pipes Florida Long-tailed Weasel Southeastern Bat Celestial Lily Round-tailed Muskrat Florida Pine Snake Florida Mouse Giant Orchid Gopher Frog Florida Willow Sherman's Fox Squirrel Pinkroot Craighead's Nodding-caps	G3 GNA G1Q GNA G4T3 G2Q G1 G2 G3 G2 G4T3 G3 G4T3 G3 G2G3 G2 G5T3 G2Q G5T3	\$2 \$1 \$1 \$3 \$2 \$1 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	222222222222222222	ENNNSENETNEENNESSESEE		
Matrix Unit ID: 30980							
Likely							
Drymarchon couperi Grus canadensis pratensis Mycteria americana Upland hardwood forest	Eastern Indigo Snake Florida Sandhill Crane Wood Stork	G3 G5T2T3 G4 G5	S3 S2S3 S2 S3	LT N LE N	LT LT LE N		
Potential			,				
Agrimonia incisa	Incised Groove-bur	G3	S2	N	LE		

Definitions: Documented - Rare species and natural communities documented on or near this site.





Natural Areas	•			10	031
INVENTORY		Global	State	Federal	
Scientific Name	Common Name	Rank	Rank	Status	Listing
Aphelocoma coerulescens	Florida Scrub-jay	G2	S2	LT	LT,
Asplenium heteroresiliens	Wagner's Spleenwort	GNA	S1	N	N
Asplenium plenum	Ruffled spleenwort	G1Q	S1	N	N
Asplenium x curtissii	Curtiss' Spleenwort	GNA	S1	N	N
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	N	LS
Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	N	LE
Dicerandra cornutissima	Longspurred Mint	G1	S1	LE	LE
Forestiera godfreyi	Godfrey's Swampprivet	G2	S2	N	LE
Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT
Heterodon simus	Southern Hognose Snake	- G2	S2	N	N
Matelea floridana	Florida Spiny-pod	G2	S2	N	LE
Monotropsis reynoldsiae	Pygmy Pipes	G1Q	S1	Ν	LE
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N	Ν
Myotis austroriparius	Southeastern Bat	G3G4	S3	N	N
Nemastylis floridana	Celestial Lily	G2	S2 ·	N	LE
Neofiber alleni	Round-tailed Muskrat	G3	S3	N	N
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N	N
Picoides borealis	Red-cockaded Woodpecker	G3	S2	LE	LS
Pituophis melanoleucus mugitus	Florida Pine Snake	G4T3	S3	- N	LS
Podomys floridanus	Florida Mouse	G3	S3	N	LS
Pteroglossaspis ecristata	Giant Orchid	G2G3	S2	N	LT
Rana capito	Gopher Frog	G3	S3	. N	LS
Salix floridana	Florida Willow	G2	S2	N	LE
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS
Spigelia loganioides	Pinkroot	G2Q	S2	N	LE
Stilosoma extenuatum	Short-tailed Snake	G3	S3	N	LT
Triphora craigheadii	Craighead's Nodding-caps	G1	S1	N	LE
Ursus americanus floridanus	Florida Black Bear	G5T2	S2	N	LT*
Matrix Unit ID: 31269					
Likely					
Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	N	LE
Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT
Falco sparverius paulus	Southeastern American Kestrel	G5T4	S3	N	LT
Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Mesic flatwoods		G4	S4	N	N
Mycteria americana	Wood Stork	G4	· S2	LE	LE
Neofiber alleni	Round-tailed Muskrat	G3	S3	N	N
Sandhill	•	G3	S2	N	N
Upland hardwood forest		G5	S3	N	N
Potential	·				
Aphelocoma coerulescens	Florida Scrub-jay	G2	S2	LT	LT
Asplenium heteroresiliens	Wagner's Spleenwort	GNA	S1	N	N
Asplenium plenum	Ruffled spleenwort	G1Q	S1	N	N
Asplenium x curtissii	Curtiss' Spleenwort	GNA	S1	N	N
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	N	LS
Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3	. N	LE
Corynorhinus rafinesquii	Rafinesque's Big-eared Bat	G3G4	S2	N	Ν

Definitions: Documented - Rare species and natural communities documented on or near this site.





NATUTAL ATEAS INVENTORY		Olahal	04-4-	Mada Fadawal Odad		
Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing	
Dicerandra cornutissima Digitaria floridana Forestiera godfreyi Gopherus polyphemus Heterodon simus Justicia cooleyi Matelea floridana Monotropsis reynoldsiae Mustela frenata peninsulae Myotis austroriparius Nemastylis floridana Notophthalmus perstriatus Pituophis melanoleucus mugitus Sciurus niger shermani Spigelia loganioides Trichomanes punctatum ssp. floridanum	Longspurred Mint Florida Crabgrass Godfrey's Swampprivet Gopher Tortoise Southern Hognose Snake Cooley's Water-willow Florida Spiny-pod Pygmy Pipes Florida Long-tailed Weasel Southeastern Bat Celestial Lily Striped Newt Florida Pine Snake Sherman's Fox Squirrel Pinkroot Florida Filmy Fern	G1 G2 G3 G2 G2 G2 G1Q G5T3 G3G4 G2 G2G3 G4T3 G5T3 G2Q G4G5T1	\$1 \$2 \$3 \$2 \$2 \$2 \$1 \$3 \$3 \$2 \$2 \$2 \$3 \$3 \$2 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	世 ス ス ス ス ス ス ス ス ス ス ス ス ス ス ス ス ス ス ス	LE N E LT N E E E E N N E N S S E E E E	
Triphora craigheadii Matrix Unit ID: 31270	Craighead's Nodding-caps	G1	S1	N [.]	LE	
Likely						
Drymarchon couperi Falco sparverius paulus Grus canadensis pratensis Mycteria americana Upland hardwood forest	Eastern Indigo Snake Southeastern American Kestrel Florida Sandhill Crane Wood Stork	G3 G5T4 G5T2T3 G4 G5	S3 S3 S2S3 S2 S3	LT N N LE N	LT LT LT LE N	
Potential						
Asplenium heteroresiliens Asplenium plenum Asplenium x curtissii Athene cunicularia floridana Centrosema arenicola Digitaria floridana Forestiera godfreyi Gopherus polyphemus Heterodon simus Matelea floridana Monotropsis reynoldsiae Mustela frenata peninsulae Myotis austroriparius Nemastylis floridana Neofiber alleni Notophthalmus perstriatus Pituophis melanoleucus mugitus Sciurus niger shermani Spigelia loganioides Triphora craigheadii Ursus americanus floridanus	Wagner's Spleenwort Ruffled spleenwort Curtiss' Spleenwort Florida Burrowing Owl Sand Butterfly Pea Florida Crabgrass Godfrey's Swampprivet Gopher Tortoise Southern Hognose Snake Florida Spiny-pod Pygmy Pipes Florida Long-tailed Weasel Southeastern Bat Celestial Lily Round-tailed Muskrat Striped Newt Florida Pine Snake Sherman's Fox Squirrel Pinkroot Craighead's Nodding-caps Florida Black Bear	GNA G1Q GNA G4T3 G2Q G1 G2 G3 G2C G5T3 G3G4 G2 G3 G4T3 G5T3 G2Q G1 G5T2	\$1 \$1 \$3 \$2 \$1 \$2 \$3 \$2 \$3 \$2 \$1 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	2222222222222222	NNNSERETREENRERRSSEE*	

Definitions: Documented - Rare species and natural communities documented on or near this site.





Natural Areas				10	101
INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Matrix Unit ID: 31271	· ·	•			
Likely		,	,		
Drymarchon couperi Grus canadensis pratensis Upland hardwood forest	Eastern Indigo Snake Florida Sandhill Crane	G3 G5T2T3 G5	\$3 \$2\$3 \$3	LT N N	LT LT N
Potential		*	÷	•	
Asplenium heteroresiliens Asplenium plenum Asplenium x curtissii Athene cunicularia floridana Centrosema arenicola Digitaria floridana Forestiera godfreyi Gopherus polyphemus Heterodon simus Matelea floridana Monotropsis reynoldsiae Mustela frenata peninsulae Myotis austroriparius Nemastylis floridana Neofiber alleni Pituophis melanoleucus mugitus Sciurus niger shermani Spigelia loganioides Triphora craigheadii Ursus americanus floridanus	Wagner's Spleenwort Ruffled spleenwort Curtiss' Spleenwort Florida Burrowing Owl Sand Butterfly Pea Florida Crabgrass Godfrey's Swampprivet Gopher Tortoise Southern Hognose Snake Florida Spiny-pod Pygmy Pipes Florida Long-tailed Weasel Southeastern Bat Celestial Lily Round-tailed Muskrat Florida Pine Snake Sherman's Fox Squirrel Pinkroot Craighead's Nodding-caps Florida Black Bear	GNA G1Q GNA G4T3 G2Q G1 G2 G3 G2 G1Q G5T3 G3G4 G2 G3 G4T3 G5T3 G2Q G1 G5T2	\$1 \$1 \$3 \$2 \$1 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	2222222222222222	N N N S E N E T N E E N N E N S E E E E E E E E E E E E
Matrix Unit ID: 31561				•	
Likely					
Drymarchon couperi Falco sparverius paulus Grus canadensis pratensis Mesic flatwoods Mycteria americana Upland hardwood forest	Eastern Indigo Snake Southeastern American Kestrel Florida Sandhill Crane Wood Stork	G3 G5T4 G5T2T3 G4 G4 G5	\$3 \$3 \$2\$3 \$4 \$2 \$3	LT N N N LE N	LT LT LT N LE N
Potential			,		*
Asplenium heteroresiliens Asplenium plenum Asplenium x curtissii Athene cunicularia floridana Calopogon multiflorus Centrosema arenicola Corynorhinus rafinesquii Digitaria floridana Forestiera godfreyi Gopherus polyphemus	Wagner's Spleenwort Ruffled spleenwort Curtiss' Spleenwort Florida Burrowing Owl Many-flowered Grass-pink Sand Butterfly Pea Rafinesque's Big-eared Bat Florida Crabgrass Godfrey's Swampprivet Gopher Tortoise	GNA G1Q GNA G4T3 G2G3 G2Q G3G4 G1 G2 G3	\$1 \$1 \$3 \$2\$3 \$2 \$2 \$1 \$2 \$3	2	N N N LE L

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.

04/15/2008 Page 6 of 16





NATUTAL ATTEAS INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State
Scientific Name Heterodon simus Justicia cooleyi Matelea floridana Monotropsis reynoldsiae Mustela frenata peninsulae Myotis austroriparius Nemastylis floridana Neofiber alleni Notophthalmus perstriatus Pituophis melanoleucus mugitus Pteroglossaspis ecristata Rana capito Sciurus niger shermani Spigelia loganioides	Southern Hognose Snake Cooley's Water-willow Florida Spiny-pod Pygmy Pipes Florida Long-tailed Weasel Southeastern Bat Celestial Lily Round-tailed Muskrat Striped Newt Florida Pine Snake Giant Orchid Gopher Frog Sherman's Fox Squirrel Pinkroot	G2 G2 G2 G1Q G5T3 G3G4 G2 G3 G2G3 G4T3 G2G3 G3 G5T3 G2Q	S2 S2 S2 S1 S3 S3 S2 S3 S2S3 S3 S2 S3 S2 S3 S2 S3	Status N LE N N N N N N N N N N N N N N N N N	N LE LE N N LE LS LS LS LE
Trichomanes punctatum ssp. floridanum Triphora craigheadii	Florida Filmy Fern Craighead's Nodding-caps	G4G5T1 G1	S1 S1	N N	LE LE
Matrix Unit ID: 31562 Likely					,
Drymarchon couperi Grus canadensis pratensis Upland hardwood forest	Eastern Indigo Snake Florida Sandhill Crane	G3 G5T2T3 G5	S3 S2S3 S3	LT N N	LT LT N
Potential					
	Incised Groove-bur Wagner's Spleenwort Ruffled spleenwort Curtiss' Spleenwort Florida Burrowing Owl Sand Butterfly Pea Florida Crabgrass Godfrey's Swampprivet Gopher Tortoise Southern Hognose Snake Florida Spiny-pod Pygmy Pipes Florida Long-tailed Weasel Southeastern Bat Celestial Lily Round-tailed Muskrat Florida Pine Snake Florida Mouse Giant Orchid Gopher Frog Florida Willow Sherman's Fox Squirrel Pinkroot Florida Filmy Fern Craighead's Nodding-caps	G3 GNA G1Q GNA G4T3 G2Q G1 G2 G3 G2 G5T3 G3G4 G2 G3 G4T3 G3 G2G3 G2 G5T3 G2Q G4G5T1 G1	\$2 \$1 \$1 \$3 \$2 \$1 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	222222222222222222	

Definitions: Documented - Rare species and natural communities documented on or near this site.





Natural Areas				10	31
INVENTORY		Global	State	Federal	
Scientific Name	Common Name	Rank	Rank	Status	Listing
Ursus americanus floridanus	Florida Black Bear	G5T2	S2	N	LT*
Matrix Unit ID: 31860					
Documented		•			
Baygall		G4	S4	N	N
Likely					
Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT
Mesic flatwoods	14. 10. 1	G4	S4	N	N
Mycteria americana	Wood Stork	G4 G2	S2 S2	LE N	LE N
Scrub		GZ	.52	IN	IN
Potential					
Aphelocoma coerulescens	Florida Scrub-jay	G2	S2	LT	LT
Asplenium heteroresiliens	Wagner's Spleenwort	GNA.	S1	Ν	N
Asplenium plenum	Ruffled spleenwort	G1Q	S1	N	N
Asplenium x curtissii	Curtiss' Spleenwort	GNA	S1	N	N
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	N	LS
Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3	N	LE
Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	N	LE
Corynorhinus rafinesquii	Rafinesque's Big-eared Bat	G3G4	S2	N	N
Dicerandra cornutissima	Longspurred Mint	G1	S1	LE	LE
Digitaria floridana	Florida Crabgrass	G1	S1	N	N
Forestiera godfreyi	Godfrey's Swampprivet	G2	S2	N	LE
Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT
Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Justicia cooleyi	Cooley's Water-willow	G2	S2	LE	LE
Matelea floridana	Florida Spiny-pod	G2	S2	N	LE LE
Monotropsis reynoldsiae	Pygmy Pipes	G1Q	S1 S3	N	N N
Mustela frenata peninsulae	Florida Long-tailed Weasel Southeastern Bat	G5T3 G3G4	S3	N N	N
Myotis austroriparius	Celestial Lily	G2	S2	- N	LE
Nemastylis floridana Neofiber alleni	Round-tailed Muskrat	G2 G3	S3	N	N
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N	N
Pituophis melanoleucus mugitus	Florida Pine Snake	G4T3	S3	N	LS
Podomys floridanus	Florida Mouse	G3	S3	N	LS
Pteroglossaspis ecristata	Giant Orchid	G2G3	S2	N -	LT
Pycnanthemum floridanum	Florida Mountain-mint	G3	S3	N	LT
Rana capito	Gopher Frog	G3	S3.	Ň	ĹŠ
Salix floridana	Florida Willow	G2	S2	N	ĹĔ
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	\$3	N	LS
Spigelia loganioides	Pinkroot	G2Q	S2	. N	LE.
Trichomanes punctatum ssp. floridanum	Florida Filmy Fern	G4G5T1	S1	N	LE
Triphora craigheadii	Craighead's Nodding-caps	G1	S1	N	LE
Matrix Unit ID: 31861		*.			
Likely					
Drymarchon couperi	Eastern Indigo Snake	, G3	S3	LT	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. Potential - This site lies within the known or predicted range of the species listed.





Natural Areas	•			18	51 9
INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Upland hardwood forest		G5	S3	. N	N
Potential	•				
Agrimonia incisa Asplenium heteroresiliens Asplenium plenum Asplenium x curtissii Athene cunicularia floridana Calopogon multiflorus Centrosema arenicola Corynorhinus rafinesquii Digitaria floridana Forestiera godfreyi Gopherus polyphemus Grus canadensis pratensis Heterodon simus Justicia cooleyi Matelea floridana Monotropsis reynoldsiae Mustela frenata peninsulae Myotis austroriparius Nemastylis floridana Neofiber alleni Pituophis melanoleucus mugitus Pteroglossaspis ecristata Pycnanthemum floridanum Rana capito Salix floridana Sciurus niger shermani Spigelia loganioides Trichomanes punctatum ssp. floridanum Triphora craigheadii	Incised Groove-bur Wagner's Spleenwort Ruffled spleenwort Curtiss' Spleenwort Florida Burrowing Owl Many-flowered Grass-pink Sand Butterfly Pea Rafinesque's Big-eared Bat Florida Crabgrass Godfrey's Swampprivet Gopher Tortoise Florida Sandhill Crane Southern Hognose Snake Cooley's Water-willow Florida Spiny-pod Pygmy Pipes Florida Long-tailed Weasel Southeastern Bat Celestial Lily Round-tailed Muskrat Florida Pine Snake Giant Orchid Florida Mountain-mint Gopher Frog Florida Willow Sherman's Fox Squirrel Pinkroot Florida Filmy Fern Craighead's Nodding-caps	G3 GNA G1Q GNA G4T3 G2G3 G2Q G3G4 G1 G2 G3 G5T2T3 G2 G2 G2 G1Q G5T3 G3G4 G2 G3 G4T3 G2G3 G4T3 G2G3 G3 G4T3 G2G3 G3 G4T3 G2G3 G3 G4T3 G2 G3 G4T3 G2 G3 G4T3 G2 G3 G4T3 G4 G4 G4 G4 G4 G4 G4 G4 G4 G4 G4 G4 G4	\$2 \$1 \$1 \$3 \$2 \$3 \$2 \$2 \$1 \$2 \$3 \$2 \$2 \$3 \$2 \$2 \$3 \$2 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	zzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzz	E N N N S E E N N E E E T N E E E E N N S E E S E E E E E E E E E
Matrix Unit ID: 31862					
Likely					
Drymarchon couperi Grus canadensis pratensis Mycteria americana Upland hardwood forest	Eastern Indigo Snake Florida Sandhill Crane Wood Stork	G3 G5T2T3 G4 G5	\$3 \$2\$3 \$2 \$3	LT N LE N	LT LT LE N
Potential	•	4			
Agrimonia incisa Asplenium heteroresiliens Asplenium plenum Asplenium x curtissii Athene cunicularia floridana Centrosema arenicola Digitaria floridana Forestiera godfreyi	Incised Groove-bur Wagner's Spleenwort Ruffled spleenwort Curtiss' Spleenwort Florida Burrowing Owl Sand Butterfly Pea Florida Crabgrass Godfrey's Swampprivet	G3 GNA G1Q GNA G4T3 G2Q G1 G2	\$2 \$1 \$1 \$1 \$3 \$2 \$1 \$2	2	LE N N N S LE N LE

Definitions: Documented - Rare species and natural communities documented on or near this site.

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

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

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

Page 9 of 16





	Scientific Name	Common Name	· · · · · · · · · · · · · · · · · · ·	Global Rank	State Rank	Federal Status	Listing
	Gopherus polyphemus	Gopher Tortoise	,	G3	S3	Ν	LT
	Heterodon simus	Southern Hognose Snake		G2	S2	N	N
	Justicia cooleyi	Cooley's Water-willow		G2	S2	LE	LE
	Matelea floridana	Florida Spiny-pod		G2	S2	N	LE
	Monotropsis reynoldsiae	Pygmy Pipes	•	G1Q	S1	N	LE
	Mustela frenata peninsulae	Florida Long-tailed Weasel		G5T3	S3	N	, N,
	Myotis austroriparius	Southeastern Bat		G3G4	S3	N	·N
	Nemastylis floridana	Celestial Lily		G2	S2	N	LE ·
	Neofiber alleni	Round-tailed Muskrat		G3	S3	N	N
	Pituophis melanoleucus mugitus	Florida Pine Snake		G4T3	, S3	. N	LS
	Pteroglossaspis ecristata	Giant Orchid		G2G3	S2	N ,	LT
	Rana capito	Gopher Frog		G3	S3	N	LS
	Salix floridana	Florida Willow		G2	S2	N	LE
	Sciurus niger shermani	Sherman's Fox Squirrel		G5T3	S3	N	LS
	Spigelia loganioides	Pinkroot		G2Q	S2	N	LE
	Trichomanes punctatum ssp. floridanum	Florida Filmy Fern		G4G5T1	S1	N	LE
	Triphora craigheadii	Craighead's Nodding-caps		G1	S 1	· N	LE
	Ursus americanus floridanus	Florida Black Bear		G5T2	S2	N	LT*
	trix Unit ID: 32169 Likely	•					,
	Drymarchon couperi	Eastern Indigo Snake		G3	S3	LŢ	LT
	Egretta caerulea	Little Blue Heron		G5	S4	<i>-</i> N	LS
:	Mycteria americana	Wood Stork	•	G4	S2	LE	LE
F	Potential						
	Asplenium heteroresiliens	Wagner's Spleenwort		GNA	S1	N	. N
	Asplenium plenum	Ruffled spleenwort		G1Q	S1	N	N
	Asplenium x curtissii	Curtiss' Spleenwort		GNA	S1	N	N
	Calopogon multiflorus	Many-flowered Grass-pink		G2G3	S2S3	N	LE
	Centrosema arenicola	Sand Butterfly Pea		G2Q	S2	N	LE
	Corynorhinus rafinesquii	Rafinesque's Big-eared Bat		G3G4	S2	Ν	N
	Forestiera godfreyi	Godfrey's Swampprivet		G2	S2	N	LE
	Gopherus polyphemus	Gopher Tortoise		G3	S3	N	LT
	Grus canadensis pratensis	Florida Sandhill Crane		G5T2T3	S2S3	, N	LT
	Heterodon simus	Southern Hognose Snake		G2	S2	N	N
	Justicia cooleyi	Cooley's Water-willow		G2	S2	LE	LE
	Matelea floridana	Florida Spiny-pod	•	G2	S2	N	LE
	Monotropsis reynoldsiae	Pygmy Pipes		G1Q	S1	N	LE
	Mustela frenata peninsulae	Florida Long-tailed Weasel		G5T3	S3	N	·N
	Myotis austroriparius	Southeastern Bat		G3G4	S3	N	Ν
	Nemastylis floridana	Celestial Lily		G2	S2	Ν	LE
	Neofiber alleni	Round-tailed Muskrat		G3	S3	N	, N
	Pycnanthemum floridanum	Florida Mountain-mint		G3	S3	N	LT
	Rana capito	Gopher Frog		G3	S3	N	LS
	Salix floridana	Florida Willow		G2	S2	- N	LE
	Sciurus niger shermani	Sherman's Fox Squirrel		G5T3	S3	N	LS
	Spigelia loganioides	Pinkroot		G2Q	S2	N	LE
	Trichomanes punctatum ssp. floridanum	Florida Filmy Fern		G4G5T1	S1	N	LE
			•			• •	

Definitions: Documented - Rare species and natural communities documented on or near this site.





tural Areas VENTORY Global State Federal State Listing Rank Rank Status Scientific Name Common Name G1 **S1** LE Triphora craigheadii Craighead's Nodding-caps Ν Matrix Unit ID: 32170 Likely LT Drymarchon couperi Eastern Indigo Snake G3 S3 LT Mesic flatwoods G4 **S4** Ν Ν G4 S2 LE LE Mycteria americana Wood Stork G5 **S3** Ν Upland hardwood forest Ν **Potential S1** Ν Asplenium heteroresiliens Wagner's Spleenwort **GNA** N Asplenium plenum Ruffled spleenwort G₁Q **S1** Ν Ν S1 Curtiss' Spleenwort **GNA** Asplenium x curtissii N N Florida Burrowing Owl G4T3 Athene cunicularia floridana **S3** LS Calopogon multiflorus Many-flowered Grass-pink G2G3 S2S3 LE N Sand Butterfly Pea G2Q S2 LE Centrosema arenicola Ν S2 Ν Corvnorhinus rafinesquii Rafinesque's Big-eared Bat G3G4 Ν Florida Crabgrass G1 S₁ Digitaria floridana Ν Ν Forestiera godfreyi Godfrey's Swampprivet G2 S2 Ν LE G3 LT Gopherus polyphemus Gopher Tortoise **S3** Ν Grus canadensis pratensis Florida Sandhill Crane **G5T2T3** S2S3 Ν LT Justicia coolevi Cooley's Water-willow G2 S2 LE LE Matelea floridana Florida Spiny-pod G2 **S2** Ν LE Monotropsis reynoldsiae Pygmy Pipes G₁Q S1 Ν LE Mustela frenata peninsulae G5T3 Florida Long-tailed Weasel S3 . Ν Ν Myotis austroriparius Southeastern Bat G3G4 **S3** N Ν Nemastylis floridana Celestial Lilv G2 S2 Ν LE Round-tailed Muskrat **S3** Neofiber alleni G3 N Ν Florida Pine Snake G4T3 **S3** LS Pituophis melanoleucus mugitus N G3 S3 Ν LS Podomys floridanus Florida Mouse G3 S3 Ν Pycnanthemum floridanum Florida Mountain-mint LT **S3** Rana capito Gopher Frog G3 N LS Salix floridana Florida Willow G2 S2 N LE Sciurus niger shermani Sherman's Fox Squirrel G5T3 **S3** Ν LS Spigelia loganioides **Pinkroot** G2Q S₂ Ν LE **G4G5T1 S1** Ν LE Trichomanes punctatum ssp. floridanum Florida Filmy Fern Craighead's Nodding-caps G1 **S1** LE Triphora craigheadii Matrix Unit ID: 32171 Likely Eastern Indigo Snake G3 **S3** LT LT Drymarchon couperi Mycteria americana Wood Stork G4 S2 LE LE Upland hardwood forest G5 **S3** Potential LE Agrimonia incisa Incised Groove-bur G3 **S2** Ν Wagner's Spleenwort **GNA S1** Ν Asplenium heteroresiliens Ν

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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.

G₁Q

S1

Ν

N

Ruffled spleenwort

Asplenium plenum





Natural Areas

INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Asplenium x curtissii Athene cunicularia floridana Centrosema arenicola Corynorhinus rafinesquii Digitaria floridana Forestiera godfreyi Gopherus polyphemus Grus canadensis pratensis Heterodon simus Justicia cooleyi Matelea floridana Monotropsis reynoldsiae Mustela frenata peninsulae Myotis austroriparius Nemastylis floridana Neofiber alleni Pituophis melanoleucus mugitus Salix floridana Sciurus niger shermani Spigelia loganioides Trichomanes punctatum ssp. floridanum Triphora craigheadii Matrix Unit ID: 32172	Curtiss' Spleenwort Florida Burrowing Owl Sand Butterfly Pea Rafinesque's Big-eared Bat Florida Crabgrass Godfrey's Swampprivet Gopher Tortoise Florida Sandhill Crane Southern Hognose Snake Cooley's Water-willow Florida Spiny-pod Pygmy Pipes Florida Long-tailed Weasel Southeastern Bat Celestial Lily Round-tailed Muskrat Florida Pine Snake Florida Willow Sherman's Fox Squirrel Pinkroot Florida Filmy Fern Craighead's Nodding-caps	GNA G4T3 G2Q G3G4 G1 G2 G3 G5T2T3 G2 G2 G1Q G5T3 G3G4 G2 G3 G4T3 G2 G5T3 G2 G4T3 G2 G5T3	\$1 \$3 \$2 \$2 \$1 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$2 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	ZZZZZZZZ HZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	N S E N N E T T N E E E N N E N S E S E E E E
Likely					
Drymarchon couperi Mycteria americana Upland hardwood forest	Eastern Indigo Snake Wood Stork	G3 G4 G5	S3 S2 S3	LT LE N	LT LE N
Potential					
Agrimonia incisa Asplenium heteroresiliens Asplenium plenum Asplenium x curtissii Athene cunicularia floridana Centrosema arenicola Digitaria floridana Forestiera godfreyi Gopherus polyphemus Grus canadensis pratensis Heterodon simus Justicia cooleyi Matelea floridana Monotropsis reynoldsiae Mustela frenata peninsulae Myotis austroriparius Nemastylis floridana Neofiber alleni Pituophis melanoleucus mugitus	Incised Groove-bur Wagner's Spleenwort Ruffled spleenwort Curtiss' Spleenwort Florida Burrowing Owl Sand Butterfly Pea Florida Crabgrass Godfrey's Swampprivet Gopher Tortoise Florida Sandhill Crane Southern Hognose Snake Cooley's Water-willow Florida Spiny-pod Pygmy Pipes Florida Long-tailed Weasel Southeastern Bat Celestial Lily Round-tailed Muskrat Florida Pine Snake	G3 GNA G1Q GNA G4T3 G2Q G1 G2 G3 G5T2T3 G2 G2 G1Q G5T3 G3G4 G2 G3 G4T3	\$2 \$1 \$1 \$3 \$2 \$1 \$2 \$3 \$2 \$3 \$2 \$2 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	ススススススススススススススス	E N N N S E N E T T N N E E N N N S E N E N N S E N E N E N N E

Definitions: Documented - Rare species and natural communities documented on or near this site.





Natural Areas				18	51
INVENTORY Scientific Name	Common Name	 Global Rank	State Rank	Federal Status	State Listing
Salix floridana Sciurus niger shermani Spigelia loganioides Trichomanes punctatum ssp. floridanum Triphora craigheadii	Florida Willow Sherman's Fox Squirrel Pinkroot Florida Filmy Fern Craighead's Nodding-caps	G2 G5T3 G2Q G4G5T1 G1	\$2 \$3 \$2 \$1 \$1	N N N N	LE LS LE LE
Matrix Unit ID: 32489		•		•	
Likely					
Drymarchon couperi Heterodon simus Mycteria americana Upland hardwood forest	Eastern Indigo Snake Southern Hognose Snake Wood Stork	G3 G2 G4 G5	S3 S2 S2 S3	LT N LE N	LT N LE N
Potential					
Asplenium heteroresiliens Asplenium plenum Asplenium x curtissii Calopogon multiflorus Centrosema arenicola Corynorhinus rafinesquii Digitaria floridana Forestiera godfreyi Gopherus polyphemus Grus canadensis pratensis Justicia cooleyi Matelea floridana Monotropsis reynoldsiae Mustela frenata peninsulae Myotis austroriparius Nemastylis floridana Neofiber alleni Podomys floridanus Rana capito Sciurus niger shermani Spigelia loganioides Trichomanes punctatum ssp. floridanum Triphora craigheadii	Wagner's Spleenwort Ruffled spleenwort Curtiss' Spleenwort Many-flowered Grass-pink Sand Butterfly Pea Rafinesque's Big-eared Bat Florida Crabgrass Godfrey's Swampprivet Gopher Tortoise Florida Sandhill Crane Cooley's Water-willow Florida Spiny-pod Pygmy Pipes Florida Long-tailed Weasel Southeastern Bat Celestial Lily Round-tailed Muskrat Florida Mouse Gopher Frog Sherman's Fox Squirrel Pinkroot Florida Filmy Fern Craighead's Nodding-caps	GNA G1Q GNA G2G3 G2Q G3G4 G1 G2 G3 G5T2T3 G2 G1Q G5T3 G3G4 G2 G3 G3 G5T3 G2Q G4G5T1 G1	\$1 \$1 \$2\$3 \$2 \$2 \$1 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	X	N N N E E N N E T T E E E N N E N S S S E E E E
Matrix Unit ID: 32490			•		
Likely					
Drymarchon couperi Heterodon simus Mycteria americana Upland hardwood forest	Eastern Indigo Snake Southern Hognose Snake Wood Stork	G3 G2 G4 G5	S3 S2 S2 S3	LT N LE N	LT N LE N
Potential					•
Asplenium heteroresiliens Calopogon multiflorus	Wagner's Spleenwort Many-flowered Grass-pink	GNA G2G3	S1 S2S3	N N	N LE

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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.





NATUTAL ATEAS INVENTORY		•				
			Global	State	Federal	State
	Scientific Name	Common Name	Rank	Rank	Status	Listing
	Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	N	LE
	Corynorhinus rafinesquii	Rafinesque's Big-eared Bat	G3G4	S2	- N	. N .
	Digitaria floridana	Florida Crabgrass	G1	S1	N	N
	Forestiera godfreyi	Godfrey's Swampprivet	G2	S2	N	ĹĚ
			G2 G3	S3	N	LT
	Gopherus polyphemus	Gopher Tortoise				
,	Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
	Justicia cooleyi	Cooley's Water-willow	G2	S2	LE	LE
	Matelea floridana	Florida Spiny-pod	G2	S2	. N	LE
	Monotropsis reynoldsiae	Pygmy Pipes	G1Q	S1	N	LE
	Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N	N
	Myotis austroriparius	Southeastern Bat	G3G4	, S3	N	N
	Nemastylis floridana	Celestial Lily	G2	S2	N	LE
	Neofiber alleni	Round-tailed Muskrat	G3	S3	N	N
	Rana capito	Gopher Frog	G3	S3	Ň	LS
	Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS
			G2Q	S2	Ň	LE
	Spigelia loganioides	Pinkroot		S1		
	Triphora craigheadii	Craighead's Nodding-caps	G1	51	N	LE
Mati	rix Unit ID: 32491		*.			
				*		
	ikely					
	Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT
	Mycteria americana	Wood Stork	. G4	S2	LE	LE
	Upland hardwood forest		G5	S3	N	N
_	•					
Ρ.	otential			•	•	
	Asplenium heteroresiliens	Wagner's Spleenwort	GNA	S1	. Ņ	N
	Asplenium plenum	Ruffled spleenwort	G1Q	S1	N	N
	Asplenium x curtissii	Curtiss' Spleenwort	GNA	S1	N	N
	Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	N	LS
	Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3	Ñ	LE
	Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	Ň	LE
	Corynorhinus rafinesquii	Rafinesque's Big-eared Bat	G3G4	S2	N	N
			G1	S1	N .	N
	Digitaria floridana	Florida Crabgrass				
	Forestiera godfreyi	Godfrey's Swampprivet	G2	S2	N	LE
	Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT
	Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
	Justicia cooleyì	Cooley's Water-willow	G2	S2	LE	LE
	Matelea floridana	Florida Spiny-pod	G2	S2	N	LE
	Monotropsis reynoldsiae	Pygmy Pipes	G1Q	S1	N	LE
	Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N	N
	Myotis austroriparius	Southeastern Bat	G3G4	S3	N	N
	Nemastylis floridana	Celestial Lily	G2	S2	N	LE
	Neofiber alleni	Round-tailed Muskrat	G3	S3	Ñ	N
	Pituophis melanoleucus mugitus	Florida Pine Snake	G4T3	S3 .	N .	LS .
			G3	S3		LS
	Rana capito	Gopher Frog			N	
	Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS
_	Spigelia loganioides	Pinkroot	G2Q	S2	N	LE
	Trichomanes punctatum ssp. floridanum	Florida Filmy Fern	G4G5T1	S1	N	LE
	Triphora craigheadii	Craighead's Nodding-caps	G1	S1	N	LE

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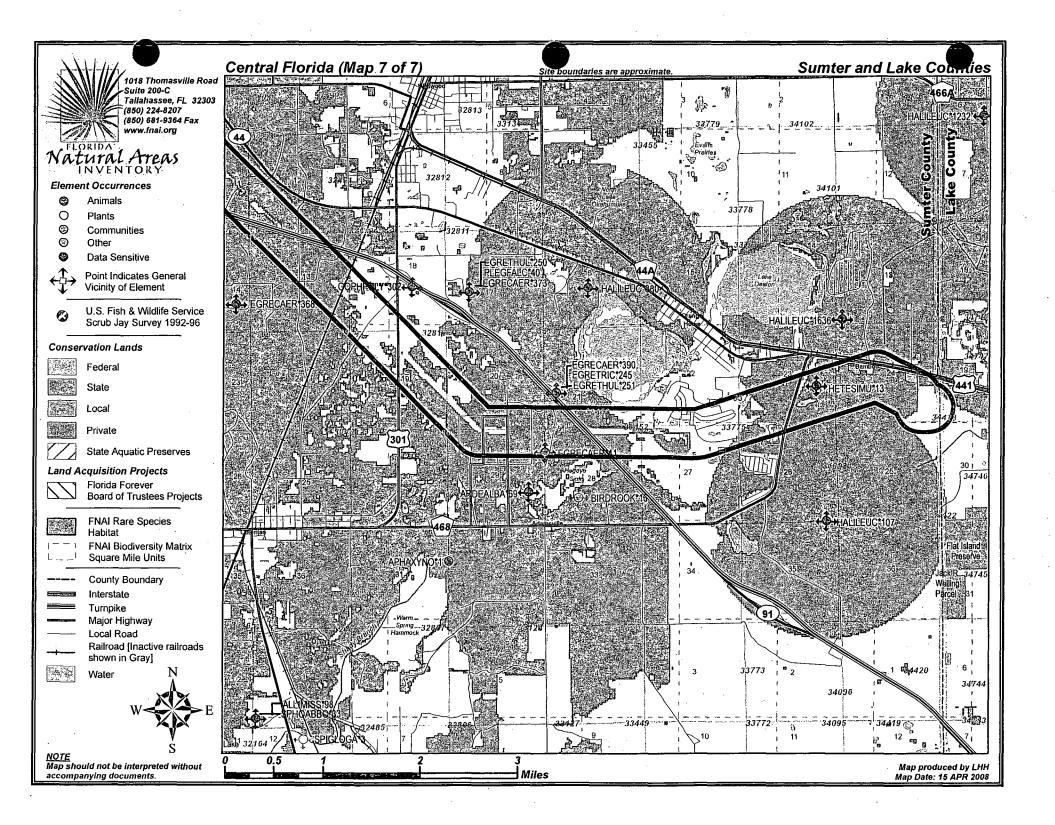
Natural Areas					
INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Matrix Unit ID: 32810					
Likely					
Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT
Egretta caerulea	Little Blue Heron	G5	S4	N.	ĹS
Egretta thula	Snowy Egret	G5	S3	Ñ	LS
Heterodon simus	Southern Hognose Snake	G2	S2	N	N.
Mycteria americana	Wood Stork	G4	S2	LE	LE
Plegadis falcinellus	Glossy Ibis	G5	S3	N	N
Upland hardwood forest		G5	S3	N	N
Potential					
Asplenium heteroresiliens	Wagner's Spleenwort	GNA	S1	N	N
Asplenium plenum	Ruffled spleenwort	G1Q	Š1	N	Ň
Asplenium x curtissii	Curtiss' Spleenwort	GNA	S1	N	N
Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3	N	LE
Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	N	LE
Digitaria floridana	Florida Crabgrass	G1	S1	N	N
Forestiera godfreyi	Godfrey's Swampprivet	G2	S2	N	LE ·
Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT
Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3	S2S3	N	LT .
Justicia cooleyi	Cooley's Water-willow	G2	S2	LE	LE
Matelea floridana	Florida Spiny-pod	G2	S2	N	LE
Monotropsis reynoldsiae	Pygmy Pipes	G1Q	S1	N	LE
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N	N
Myotis austroriparius	Southeastern Bat	G3G4	S3	N	N
Nemastylis floridana	Celestial Lily	G2 G3	S2 S3	N N	LE N
Neofiber alleni	Round-tailed Muskrat Florida Mouse	G3	S3	N	LS
Podomys floridanus Rana capito	Gopher Frog	G3	S3	·N	LS
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3 ·	N	LS
Spigelia loganioides	Pinkroot	G2Q	S2	N	LE
Trichomanes punctatum ssp. floridanum	Florida Filmy Fern	G4G5T1	S1	N	ĹĒ
Triphora craigheadii	Craighead's Nodding-caps	G1	S1	N	LE
Matrix Unit ID: 32811					
Likely					
Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT
Egretta caerulea	Little Blue Heron	G5 .	S4	N	LS
Egretta thula	Snowy Egret	G5	S3	·N	LS
Heterodon simus	Southern Hognose Snake	G2	S2	Ň	. N
Mesic flatwoods		G4	S4	N	N
Mycteria americana	Wood Stork	G4	\$2	LE	. LE
Plegadis falcinellus	Glossy Ibis	G5	S3	N	N
Upland hardwood forest		G5	S3	N	N
Potential					
Asplenium heteroresiliens	Wagner's Spleenwort	GNA	S1	, N	N
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	N	LS

Definitions: Documented - Rare species and natural communities documented on or near this site.





Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3	N	LE
Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	N	LE
Digitaria floridana	Florida Crabgrass	. G1	\$1	N	N
Forestiera godfreyi	Godfrey's Swampprivet	G2	S2	N·	LE -
Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT
Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3	S2S3	·N	LT
Justicia cooleyi	Cooley's Water-willow	G2	S2	LE	LE
Matelea floridana	Florida Spiny-pod	G2	S2	N	LE
Monotropsis reynoldsiae	Pygmy Pipes	G1Q	S1	N	LE
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N	N
Myotis austroriparius	Southeastern Bat	G3G4	S3	N	N
Nemastylis floridana	Celestial Lily	G2	S2	N	LE
Neofiber alleni	Round-tailed Muskrat	G3	S3	N	N
Podomys floridanus	Florida Mouse	G3	S3	· N	LS
Rana capito	Gopher Frog	G3	S3	N	LS
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS
Spigelia loganioides	Pinkroot	G2Q	S2	N	LE
Triphora craigheadii	Craighead's Nodding-caps	G1	S1	N	LE







INVEN	TORY		Global	State	Federal	State	Observatio	n `	
Map Label	Scientific Name	Common Name	Rank	Rank	Status	Listing	Date	Description	EO Comments
ARDEALBA*69	Ardea alba	Great Egret	G5	· S4	N	N	1978-07	POND SURROUNDED BY WILLOWS AND PASTURE LAND, 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		
EGRÉTRIC*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	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	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.





INVENT		Common Name			Federal Status		Observation Date	n Description	EO Comments
EGRETHUL*251	Egretta thula	Snowy Egret	Ġ5	S3	N	LS	1988-05-16	Willows in freshwater wetland.	1988/05/16: R. Sullivan, GFC. "Unable to estimate numbers."
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).
SPIGLOGA*3	Spigelia loganioides	Pinkroot	G2Q	S2	N	LE	2005-06-30	2005-06-30: Site a Ruderal clearing based on FNAI communit 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/ ybud. 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	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).
ALLIMISS*98	Alligator mississippiensis	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	Haliaeetus leucocephalus	Bald Eagle	G5	S 3	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	Haliaeetus leucocephalus	Bald Eagle	G5	S 3	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	Haliaeetus leucocephalus	Bald Eagle	G5	S 3	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	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: Inactive; 1993: Active, produced 0 young.





INVENT Map Label		Common Name			Federal Status		Observation Date	n Description	EO Comments
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 abboti	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).





NATUTAL FITEAS INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Matrix Unit ID: 32169			. '		
Likely					
Drymarchon couperi Egretta caerulea Mycteria americana	Eastern Indigo Snake Little Blue Heron Wood Stork	G3 G5 G4	S3 S4 S2	LT N LE	LT LS LE
Potential				•	
Asplenium heteroresiliens Asplenium plenum Asplenium x curtissii Calopogon multiflorus Centrosema arenicola Corynorhinus rafinesquii Forestiera godfreyi Gopherus polyphemus Grus canadensis pratensis Heterodon simus Justicia cooleyi Matelea floridana Monotropsis reynoldsiae Mustela frenata peninsulae Myotis austroriparius Nemastylis floridana Neofiber alleni Pycnanthemum floridanum Rana capito Salix floridana Sciurus niger shermani Spigelia loganioides Trichomanes punctatum ssp. floridanum Triphora craigheadii	Wagner's Spleenwort Ruffled spleenwort Curtiss' Spleenwort Many-flowered Grass-pink Sand Butterfly Pea Rafinesque's Big-eared Bat Godfrey's Swampprivet Gopher Tortoise Florida Sandhill Crane Southern Hognose Snake Cooley's Water-willow Florida Spiny-pod Pygmy Pipes Florida Long-tailed Weasel Southeastern Bat Celestial Lily Round-tailed Muskrat Florida Mountain-mint Gopher Frog Florida Willow Sherman's Fox Squirrel Pinkroot Florida Filmy Fern Craighead's Nodding-caps	GNA G1Q GNA G2G3 G2Q G3G4 G2 G3 G5T2T3 G2 G1Q G5T3 G3G4 G2 G3 G3 G3 G2 G5T3 G2Q G4G5T1	\$1 \$1 \$2\$3 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2	ZZZZZZZZZZZZZZZZZZZZZZZZZ	N N N L L N L L T N L L L N N N N L L N L L L L
Matrix Unit ID: 32170		•			
Likely					
Drymarchon couperi Mesic flatwoods Mycteria americana Upland hardwood forest	Eastern Indigo Snake Wood Stork	G3 G4 G4 G5	S3 S4 S2 S3	LT N LE N	LT N LE N
Potential	•				
Asplenium heteroresiliens Asplenium plenum Asplenium x curtissii Athene cunicularia floridana Calopogon multiflorus Centrosema arenicola Corynorhinus rafinesquii Digitaria floridana	Wagner's Spleenwort Ruffled spleenwort Curtiss' Spleenwort Florida Burrowing Owl Many-flowered Grass-pink Sand Butterfly Pea Rafinesque's Big-eared Bat Florida Crabgrass	GNA G1Q GNA G4T3 G2G3 G2Q G3G4 G1	\$1 \$1 \$3 \$2\$3 \$2 \$2 \$2 \$1	22222	N N N S LE N N

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04/15/2008 Page 1 of 14





1	Vatural Areas				30	OL G	
•	INVENTORY		Global	State	Federal	State	
	Scientific Name	Common Name	Rank	Rank	Status	Listing	
	Forestiera godfreyi	Godfrey's Swampprivet	G2	- S2	N	LE ·	
	Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT	
	Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3	S2S3	N	LT	
	Justicia cooleyi	Cooley's Water-willow	G2	S2	ĹĒ	ĹĖ	
	Matelea floridana	Florida Spiny-pod	G2	S2	N	LE	
	Monotropsis reynoldsiae	Pygmy Pipes	G1Q	S1:	N	ĪĒ	
	Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	Ň	N	
	Myotis austroriparius	Southeastern Bat	G3G4	S3	N	N	
	Nemastylis floridana	Celestial Lily	G2	S2	Ň	LE	
	Neofiber alleni	Round-tailed Muskrat	G3	S3	Ň	N	
	Pituophis melanoleucus mugitus	Florida Pine Snake	G4T3	S3	Ň	LS	
		Florida Mouse	G3	S3	N	LS -	
	Podomys floridanus		G3	S3 .	N .	LT	
	Pycnanthemum floridanum	Florida Mountain-mint	G3	S3	N	LS	
	Rana capito	Gopher Frog			N N	LE	
	Salix floridana	Florida Willow	G2	S2			
	Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS	
	Spigelia loganioides	Pinkroot	G2Q	S2	N	LE	
	Trichomanes punctatum ssp. floridanum	Florida Filmy Fern	G4G5T1	S1	N	LE	
	Triphora craigheadii	Craighead's Nodding-caps	G1	S1	N	1. LE	
	trix Unit ID: 32171					* •	
						•	
i	_ikely				*	•	
	Drymarchon couperi	Eastern Indigo Snake	G3	S3	`LT	LT	
	Mycteria americana	Wood Stork	G4	S2	LE	LE '	
•	Upland hardwood forest		G5	S3 .	Ņ	N	
. [Potential				•	Sec.	
	Agrimonia incisa	Incised Groove-bur	G3	S2	N	LE	
	Asplenium heteroresiliens	Wagner's Spleenwort	GNA	S1	N	N	
	Asplenium plenum	Ruffled spleenwort	G1Q	S1	N	N	
	Asplenium x curtissii	Curtiss' Spleenwort	GNA	S1	N	N	
	Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	N	LS	
	Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	N	LE	
	Corynorhinus rafinesquii	Rafinesque's Big-eared Bat	G3G4	S2	N	N	
	Digitaria floridana	Florida Crabgrass	G1	S1	N '	Ň	
	Forestiera godfreyi	Godfrey's Swampprivet	G2	S2 -	Ň	LE	
	Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT	
	Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3	S2S3	N	LT	
	Heterodon simus	Southern Hognose Snake	G2	S2 ·	N	N	
	Justicia cooleyi	Cooley's Water-willow	G2	S2	LE	LE	
	Matelea floridana	Florida Spiny-pod	G2	S2 ⁻	N	LE	
			G1Q	S2 S1	N	LE	
	Monotropsis reynoldsiae	Pygmy Pipes	G5T3	S3		N	
	Mustela frenata peninsulae	Florida Long-tailed Weasel			N		
	Myotis austroriparius	Southeastern Bat	G3G4	S3	N	N	
	Nemastylis floridana	Celestial Lily	G2	S2	N	LE	
	Neofiber alleni	Round-tailed Muskrat	G3	S3	N .	N	
	Pituophis melanoleucus mugitus	Florida Pine Snake	G4T3	S3 .	N	. LS	
	Salix floridana	Florida Willow	G2	S2	N	LE	
	Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	. N	LS	
	· · · · · · · · · · · · · · · · · · ·						

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04/15/2008 Page 2 of 14





Natural Areas				10	ب مرين
INVENTORY		Global	State	Federal	State
Scientific Name	Common Name	Rank	Rank	Status	Listing
Spigelia loganioides	Pinkroot	G2Q	S2	N	LE
Trichomanes punctatum ssp. floridanum	Florida Filmy Fern	G4G5T1	S1	N	LE
Triphora craigheadii	Craighead's Nodding-caps	G1	S1	N	LE
Matrix Unit ID: 32489				, .	
Likely					
Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT
Heterodon simus	Southern Hognose Snake	• G2	S2	N	N
Mycteria americana	Wood Stork	G4	S2	LE	LE
Upland hardwood forest		G5	S3	· N	N
Potential				•	•
Asplenium heteroresiliens	Wagner's Spleenwort	GNA	S1	N	N
Asplenium plenum	Ruffled spleenwort	G1Q	S1	N	N
Asplenium x curtissii	Curtiss' Spleenwort	GNA	S1	Ν.	N
Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3	N	LE
Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	.N	LE
Corynorhinus rafinesquii	Rafinesque's Big-eared Bat	G3G4	S2	N	N
Digitaria floridana	Florida Crabgrass	G1	S1.	N	N
Forestiera godfreyi	Godfrey's Swampprivet	G2	S2	N	LE
Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT
Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Justicia cooleyi	Cooley's Water-willow	G2	S2	LE	LE
Matelea floridana	Florida Spiny-pod	G2	S2	N ·	LE
Monotropsis reynoldsiae	Pygmy Pipes	G1Q	S1	N	LE
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	Ν	N ·
Myotis austroriparius	Southeastern Bat	G3G4	·S3 .	N	Ν.
Nemastylis floridana	Celestial Lily	G2	S2	N	LE
Neofiber alleni	Round-tailed Muskrat	G3	S3	N	N
Podomys floridanus	Florida Mouse	G3	S3 .	N	LS
Rana capito	Gopher Frog	G3	S3	N	LS
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS
Spigelia loganioides	Pinkroot	G2Q	S2	N	LE
Trichomanes punctatum ssp. floridanum	Florida Filmy Fern	G4G5T1	S1	Ν	LE
Triphora craigheadii	Craighead's Nodding-caps	G1	S1	N	LE
Matrix Unit ID: 32490					
Likely					
Drymarchon couperi	Eastern Indigo Snake	G3	S3	. LT	LT
Heterodon simus	Southern Hognose Snake	G2	S2	. N	. N
Mycteria americana	Wood Stork	G4	S2	LE	LE
Upland hardwood forest		G5	S3	N	·N
Potential					
Asplenium heteroresiliens	Wagner's Spleenwort	GNA	S1	Ν	N
Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3	Ν	LE
Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	Ν	LE
Corynorhinus rafinesquii	Rafinesque's Big-eared Bat	G3G4	S2	N	N
•	•				

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	INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal State Status Listing
	Digitaria floridana Forestiera godfreyi Gopherus polyphemus Grus canadensis pratensis Justicia cooleyi Matelea floridana Monotropsis reynoldsiae Mustela frenata peninsulae Myotis austroriparius Nemastylis floridana Neofiber alleni Rana capito Sciurus niger shermani Spigelia loganioides Triphora craigheadii	Florida Crabgrass Godfrey's Swampprivet Gopher Tortoise Florida Sandhill Crane Cooley's Water-willow Florida Spiny-pod Pygmy Pipes Florida Long-tailed Weasel Southeastern Bat Celestial Lily Round-tailed Muskrat Gopher Frog Sherman's Fox Squirrel Pinkroot Craighead's Nodding-caps	G1 G2 G3 G5T2T3 G2 G1Q G5T3 G3G4 G2 G3 G5T3 G2Q G1	\$1 \$2 \$3 \$2\$3 \$2 \$2 \$1 \$3 \$3 \$2 \$3 \$2 \$3 \$2 \$3	N N LE N
	rix Unit ID: 32491 ikely	Craigheau's Moduling-caps	G i	31	IN LE
	Drymarchon couperi Mycteria americana Upland hardwood forest	Eastern Indigo Snake Wood Stork	G3 G4 G5	S3 S2 S3	LT LT LE LE N N
P	otential	* .			
	Asplenium heteroresiliens Asplenium plenum Asplenium x curtissii Athene cunicularia floridana Calopogon multiflorus Centrosema arenicola Corynorhinus rafinesquii Digitaria floridana Forestiera godfreyi Gopherus polyphemus Grus canadensis pratensis Justicia cooleyi Matelea floridana Monotropsis reynoldsiae Mustela frenata peninsulae Myotis austrorioranius Nemastylis floridana	Wagner's Spleenwort Ruffled spleenwort Curtiss' Spleenwort Florida Burrowing Owl Many-flowered Grass-pink Sand Butterfly Pea Rafinesque's Big-eared Bat Florida Crabgrass Godfrey's Swampprivet Gopher Tortoise Florida Sandhill Crane Cooley's Water-willow Florida Spiny-pod Pygmy Pipes Florida Long-tailed Weasel Southeastern Bat Celestial Lily	GNA G1Q GNA G4T3 G2G3 G2Q G3G4 G1 G2 G3 G5T2T3 G2 G1Q G5T3 G3G4 G2	\$1 \$1 \$3 \$2\$3 \$2 \$2 \$1 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	N N N N N N N N N N N N N N N N N N N

atrix Unit ID: 32809

Neofiber alleni

Rana capito

Pituophis melanoleucus mugitus

Trichomanes punctatum ssp. floridanum

Sciurus niger shermani

Spigelia loganioides

Triphora craigheadii

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G3

G4T3

G3

G5T3

G2Q

G4G5T1

G1

S3

S3

S3

S3

S2

S1

S1

LS

LS

LS

LE

LE

Round-tailed Muskrat

Sherman's Fox Squirrel

Craighead's Nodding-caps

Florida Pine Snake

Florida Filmy Fern

Gopher Frog

Pinkroot





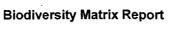
Natural Areas	•			*	30	و مروق
INVENTORY Scientific Name	Common Name		Global Rank	State Rank	Federal Status	State Listing
Likely						
Drymarchon couperi Heterodon simus Upland hardwood forest	Eastern Indigo Snake Southern Hognose Snake		G3 G2 G5	S3 S2 S3	LT N N	LT N N
Potential						-
Ardea alba Asplenium heteroresiliens Asplenium plenum Asplenium x curtissii Athene cunicularia floridana Bird Rookery Calopogon multiflorus Centrosema arenicola Digitaria floridana Egretta caerulea Forestiera godfreyi Gopherus polyphemus Grus canadensis pratensis Justicia cooleyi Matelea floridana Monotropsis reynoldsiae Mustela frenata peninsulae Myotis austroriparius Nemastylis floridana Neofiber alleni Podomys floridanus Rana capito Sciurus niger shermani Spigelia loganioides Trichomanes punctatum ssp. floridanum Triphora craigheadii	Great Egret Wagner's Spleenwort Ruffled spleenwort Curtiss' Spleenwort Florida Burrowing Owl Many-flowered Grass-pink Sand Butterfly Pea Florida Crabgrass Little Blue Heron Godfrey's Swampprivet Gopher Tortoise Florida Sandhill Crane Cooley's Water-willow Florida Spiny-pod Pygmy Pipes Florida Long-tailed Weasel Southeastern Bat Celestial Lily Round-tailed Muskrat Florida Mouse Gopher Frog Sherman's Fox Squirrel Pinkroot Florida Filmy Fern Craighead's Nodding-caps		G5 GNA G1Q GNA G4T3 GNR G2G3 G5 G5 G2 G3 G5T2T3 G2 G2 G1Q G5T3 G3G4 G2 G3 G3 G3 G5T3 G2Q G4G5T1 G1	\$4 \$1 \$1 \$3 \$NR \$2\$3 \$2 \$1 \$4 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	zzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzz	N N N N N N N N L L L N L L L L L L L L
Matrix Unit ID: 32810			• •			
Likely	1					
Drymarchon couperi Egretta caerulea Egretta thula Heterodon simus Mycteria americana Plegadis falcinellus Upland hardwood forest	Eastern Indigo Snake Little Blue Heron Snowy Egret Southern Hognose Snake Wood Stork Glossy Ibis		G3 G5 G5 G2 G4 G5 G5	S3 S4 S3 S2 S2 S3 S3	LT N N N LE N N	LT LS LS N LE N
Potential						
Asplenium heteroresiliens Asplenium plenum Asplenium x curtissii Calopogon multiflorus	Wagner's Spleenwort Ruffled spleenwort Curtiss' Spleenwort Many-flowered Grass-pink	:: 	GNA G1Q GNA G2G3	S1 S1 S1 S2S3	N N N	N N N LE

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INVENTORY	• '	Global	State	Federal	State
Scientific Name	Common Name	Rank	Rank	Status	Listing
Centrosema arenicola Digitaria floridana Forestiera godfreyi Gopherus polyphemus Grus canadensis pratensis Justicia cooleyi Matelea floridana Monotropsis reynoldsiae Mustela frenata peninsulae Myotis austroriparius Nemastylis floridana Neofiber alleni Podomys floridanus Rana capito Sciurus niger shermani Spigelia loganioides Trichomanes punctatum ssp. floridanum	Sand Butterfly Pea Florida Crabgrass Godfrey's Swampprivet Gopher Tortoise Florida Sandhill Crane Cooley's Water-willow Florida Spiny-pod Pygmy Pipes Florida Long-tailed Weasel Southeastern Bat Celestial Lily Round-tailed Muskrat Florida Mouse Gopher Frog Sherman's Fox Squirrel Pinkroot Florida Filmy Fern	G2Q G1 G2 G3 G5T2T3 G2 G1Q G5T3 G3G4 G2 G3 G3 G3 G5T3 G2Q G4G5T1	\$2 \$1 \$2 \$3 \$2\$3 \$2 \$2 \$1 \$3 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	zzzz	L N L T T L L L N N L N S S S L L L L L L L L L L
Triphora craigheadii	Craighead's Nodding-caps	G1	S1	N	LE
Matrix Unit ID: 32811 Likely			· •		•
Drymarchon couperi Egretta caerulea Egretta thula Heterodon simus Mesic flatwoods Mycteria americana Plegadis falcinellus Upland hardwood forest	Eastern Indigo Snake Little Blue Heron Snowy Egret Southern Hognose Snake Wood Stork Glossy Ibis	G3 G5 G5 G2 G4 G4 G5 G5	S3 S4 S3 S2 S4 S2 S3 S3	L z z z z E z z	LT LS N N LE N N
Potential			,	•	
Asplenium heteroresiliens Athene cunicularia floridana Calopogon multiflorus Centrosema arenicola Digitaria floridana Forestiera godfreyi Gopherus polyphemus Grus canadensis pratensis Justicia cooleyi Matelea floridana Monotropsis reynoldsiae Mustela frenata peninsulae Myotis austroriparius Nemastylis floridana Neofiber alleni Podomys floridanus Rana capito Sciurus niger shermani	Wagner's Spleenwort Florida Burrowing Owl Many-flowered Grass-pink Sand Butterfly Pea Florida Crabgrass Godfrey's Swampprivet Gopher Tortoise Florida Sandhill Crane Cooley's Water-willow Florida Spiny-pod Pygmy Pipes Florida Long-tailed Weasel Southeastern Bat Celestial Lily Round-tailed Muskrat Florida Mouse Gopher Frog Sherman's Fox Squirrel	GNA G4T3 G2G3 G2Q G1 G2 G3 G5T2T3 G2 G2 G1Q G5T3 G3G4 G2 G3 G3 G3 G5T3	\$1 \$3 \$2\$3 \$2 \$1 \$2 \$3 \$2\$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	ZZZZZZZ L L ZZZZZZZZZZZZZZZZZZZZZZZZZZ	N S E E N E T T E E E N N E N S S S S L S

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.

04/15/2008





Natural Areas Inventory		Clobal	Cénéa	Endoral	State .
Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Spigelia loganioides Triphora craigheadii	Pinkroot Craighead's Nodding-caps	G2Q G1	S2 S1	N N	LE LE
Matrix Unit ID: 33130					
Likely	•			•	
Drymarchon couperi Egretta caerulea Egretta thula Egretta tricolor Heterodon simus Mycteria americana Upland hardwood forest	Eastern Indigo Snake Little Blue Heron Snowy Egret Tricolored Heron Southern Hognose Snake Wood Stork	G3 G5 G5 G5 G2 G4 G5	\$3 \$4 \$3 \$4 \$2 \$2 \$3	LT N N N LE N	LT LS LS N LE N
Potential					
Ardea alba Asplenium heteroresiliens Asplenium plenum Asplenium x curtissii Athene cunicularia floridana Bird Rookery Calopogon multiflorus Carex chapmanii Centrosema arenicola Corynorhinus rafinesquii Digitaria floridana Eriogonum longifolium var. gnaphalifolium Forestiera godfreyi Gopherus polyphemus Grus canadensis pratensis Justicia cooleyi Matelea floridana Monotropsis reynoldsiae Mustela frenata peninsulae Myotis austroriparius Nemastylis floridana Neofiber alleni Podomys floridanus Pycnanthemum floridanum Rana capito Salix floridana Sciurus niger shermani Spigelia loganioides Trichomanes punctatum ssp. floridanum Triphora craigheadii	Great Egret Wagner's Spleenwort Ruffled spleenwort Curtiss' Spleenwort Florida Burrowing Owl Many-flowered Grass-pink Chapman's Sedge Sand Butterfly Pea Rafinesque's Big-eared Bat Florida Crabgrass Scrub Buckwheat Godfrey's Swampprivet Gopher Tortoise Florida Sandhill Crane Cooley's Water-willow Florida Spiny-pod Pygmy Pipes Florida Long-tailed Weasel Southeastern Bat Celestial Lily Round-tailed Muskrat Florida Mouse Florida Mountain-mint Gopher Frog Florida Willow Sherman's Fox Squirrel Pinkroot Florida Filmy Fern Craighead's Nodding-caps	G5 GNA G1Q GNA G4T3 GNR G2G3 G3G4 G1 G4T3 G2 G3 G5T2T3 G2 G1Q G5T3 G3G4 G2 G3 G3 G3 G3 G2 G5T3 G2 G5T3 G2 G5T3	\$4 \$1 \$1 \$3 \$NR \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	zzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzz	X X X X X X L L L X X L L L L L L L X X L X X L X L
Matrix Unit ID: 33131		•			
Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT :

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04/15/2008





Natural Areas				. 18	51 🔎
INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Egretta caerulea Egretta thula Egretta tricolor Heterodon simus Mycteria americana Plegadis falcinellus Upland hardwood forest	Little Blue Heron Snowy Egret Tricolored Heron Southern Hognose Snake Wood Stork Glossy Ibis	G5 G5 G5 G2 G4 G5 G5	\$4 \$3 \$4 \$2 \$2 \$3 \$3	Z Z Z Z E Z Z	LS LS N LE N
Potential		No. 1			
Ardea alba Asplenium heteroresiliens Bird Rookery Calopogon multiflorus Centrosema arenicola Corynorhinus rafinesquii Digitaria floridana Forestiera godfreyi Gopherus polyphemus Grus canadensis pratensis Justicia cooleyi Matelea floridana Monotropsis reynoldsiae Mustela frenata peninsulae Myotis austroriparius Nemastylis floridana Neofiber alleni Notophthalmus perstriatus Podomys floridanus Rana capito Sciurus niger shermani Spigelia loganioides Triphora craigheadii	Great Egret Wagner's Spleenwort Many-flowered Grass-pink Sand Butterfly Pea Rafinesque's Big-eared Bat Florida Crabgrass Godfrey's Swampprivet Gopher Tortoise Florida Sandhill Crane Cooley's Water-willow Florida Spiny-pod Pygmy Pipes Florida Long-tailed Weasel Southeastern Bat Celestial Lily Round-tailed Muskrat Striped Newt Florida Mouse Gopher Frog Sherman's Fox Squirrel Pinkroot Craighead's Nodding-caps	G5 GNA GNR G2G3 G2Q G3G4 G1 G2 G3 G5T2T3 G2 G1Q G5T3 G3G4 G2 G3 G2G3 G3 G5T3 G2G3 G3 G5T3	\$4 \$1 \$NR \$2\$3 \$2 \$2 \$1 \$2 \$3 \$2\$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	zzzzzzzzzzzzzzzzzzzzzzzzz	N N N L L N N L L L L L L L N N L L N N L L L L L L L N N L L N N L N
Matrix Unit ID: 33452		,			
Likely					
Drymarchon couperi Egretta caerulea Egretta thula Egretta tricolor Heterodon simus Mycteria americana Upland hardwood forest	Eastern Indigo Snake Little Blue Heron Snowy Egret Tricolored Heron Southern Hognose Snake Wood Stork	G3 G5 G5 G5 G2 G4 G5	S3 S4 S3 S4 S2 S2 S3	LT N N N N LE N	LT LS LS N LE N
Potential					
Ardea alba Asplenium heteroresiliens Asplenium plenum Asplenium x curtissii Athene cunicularia floridana	Great Egret Wagner's Spleenwort Ruffled spleenwort Curtiss' Spleenwort Florida Burrowing Owl	G5 GNA G1Q GNA G4T3	S4 S1 S1 S1 S3	N N N N	N N N N LS

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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.

04/15/2008 Page 8 of 14





Natural Areas

/\	INTUTAL ATTERS INVENTORY		Clabal		Endoval	Canan
	Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
	Bird Rookery Calopogon multiflorus Carex chapmanii Centrosema arenicola Corynorhinus rafinesquii Digitaria floridana Eriogonum longifolium var. gnaphalifolium Forestiera godfreyi Gopherus polyphemus Grus canadensis pratensis Justicia cooleyi Matelea floridana Monotropsis reynoldsiae Mustela frenata peninsulae Myotis austroriparius Nemastylis floridana Neofiber alleni Platanthera integra Podomys floridanus Pycnanthemum floridanum Rana capito Salix floridana Sciurus niger shermani Spigelia loganioides Trichomanes punctatum ssp. floridanum Triphora craigheadii	Many-flowered Grass-pink Chapman's Sedge Sand Butterfly Pea Rafinesque's Big-eared Bat Florida Crabgrass	Rank GNR G2G3 G3 G3 G2Q G3G4 G1 G4T3 G2 G3 G5T2T3 G2 G1Q G5T3 G3G4 G2 G3 G3G4 G3 G3 G3 G3 G3 G3 G3 G3 G3 G2 G5T3 G2Q G4G5T1 G1	SNR S2S3 S3 S2 S1 S3 S2 S3	Status N N N N N N N N N N N N N N N N N N N	NEELENNEELENNESLESEELE
Mat	rix Unit ID: 33453					
	ikely					
	Egretta caerulea Egretta thula Egretta tricolor Heterodon simus Mycteria americana Upland hardwood forest	Little Blue Heron Snowy Egret Tricolored Heron Southern Hognose Snake Wood Stork	G5 G5 G5 G2 G4 G5	S4 S3 S4 S2 S2 S3	N N N LE N	LS LS N LE N
P	otentia					
	Ardea alba Asplenium heteroresiliens Asplenium plenum Bird Rookery Calopogon multiflorus Carex chapmanii Centrosema arenicola Corynorhinus rafinesquii Drymarchon couperi Eriogonum longifolium var. gnaphalifolium Forestiera godfreyi Gopherus polyphemus	Great Egret Wagner's Spleenwort Ruffled spleenwort Many-flowered Grass-pink Chapman's Sedge Sand Butterfly Pea Rafinesque's Big-eared Bat Eastern Indigo Snake Scrub Buckwheat Godfrey's Swampprivet Gopher Tortoise	G5 GNA G1Q GNR G2G3 G3 G2Q G3G4 G3 G4T3 G2 G3	\$4 \$1 \$1 \$NR \$2\$3 \$3 \$2 \$2 \$3 \$3 \$3 \$3	2222221tz2	N N N N LE LE N L LE LT

Definitions: Documented - Rare species and natural communities documented on or near this site.





Natural Areas

INVENTORY Scientific Name	Global Rank	State Rank	Federal Status	State Listin	
Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Justicia cooleyi	Cooley's Water-willow	G2	S2	LE .	LE
Matelea floridana	Florida Spiny-pod	G2	S2	N	LE
Monotropsis reynoldsiae	Pygmy Pipes	G1Q	S1	N ·	LE
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	· N	Ν
Myotis austroriparius	Southeastern Bat	G3G4	S3	N	N
Nemastylis floridana	Celestial Lily	、 G2	S2	N	LE
Neofiber alleni	Round-tailed Muskrat	G3	S3	N	N
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N	· N
Platanthera integra	Yellow Fringeless Orchid	G3G4	S3	N	LE
Podomys floridanus	Florida Mouse	G3	S3	Ν	LS
Pteroglossaspis ecristata	Giant Orchid	G2G3	S2	N	LT
Rana capito	Gopher Frog	G3.	S3	N	LS
Salix floridana	Florida Willow	G2	S2	N	LE
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS
Spigelia loganioides	Pinkroot	G2Q	S2	·N	LE
Trichomanes punctatum ssp. floridanum	Florida Filmy Fern	G4G5T1	S1	Ñ	LE
Triphora craigheadii	Craighead's Nodding-caps	G1	S1	N	LE
x Unit ID: 33775 ely					
Heterodon simus	Southern Hognose Snake	G2	S2	Ν	N
Mycteria americana	Wood Stork	G4	S2	ĻΕ	LE
tential	•				
Asplenium heteroresiliens	Wagner's Spieenwort	GNA	S1	· N	N
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	Ν	LS
Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3	Ν	· LE
Carex chapmanii	Chapman's Sedge	G3	S3	N	LE
Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	N	LE
Corynorhinus rafinesquii	Rafinesque's Big-eared Bat	G3G4	S2	; N	N
Digitaria floridana	Florida Crabgrass	G1	S1	N	N
Drymarchon couperi	Eastern Indigo Snake	G3	\$3	ĹŤ	Ĺ
Eriogonum longifolium var. gnaphalifolium		G4T3	S3	LT	LE
Gopherus polyphemus	Gopher Tortoise	G3	S3	N	L ⁻
Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3	S2S3	N	Ĺ
Matelea floridana	Florida Spiny-pod	G2	S2	N	LE
Monotropsis reynoldsiae	Pygmy Pipes	G1Q	S1	N	LE
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N	N
	Southeastern Bat	G3G4	S3	N	N
Myotis austroriparius		G2	S2	· N	LE
Nemastylis floridana	Celestial Lily	G2 G3			N
Neofiber alleni	Round-tailed Muskrat		S3	N	
Platanthera integra	Yellow Fringeless Orchid	G3G4	S3	N	. LE
Podomys floridanus	Florida Mouse	G3	S3	. N	LS
Rana capito	Gopher Frog	G3	S3	N	LS
Salix floridana	Florida Willow	G2	S2	N	LE
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS
Spigelia loganioides	Pinkroot	G2Q	S2	N	LE
Triphora craigheadii	Craighead's Nodding-caps	G1	' S1	N	LE

Definitions: Documented - Rare species and natural communities documented on or near this site.





Natural Areas	•			. 18	51 8
INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Matrix Unit ID: 33776			• . • •		
Likely					
Heterodon simus Mycteria americana	Southern Hognose Snake Wood Stork	G2 G4	S2 S2	N LE	N LE
Potential					
Asplenium heteroresiliens Calopogon multiflorus Carex chapmanii Centrosema arenicola Digitaria floridana Drymarchon couperi Eriogonum longifolium var. gnaphalifolium Gopherus polyphemus Grus canadensis pratensis Matelea floridana Monotropsis reynoldsiae Mustela frenata peninsulae Myotis austroriparius Nemastylis floridana Neofiber alleni Platanthera integra Podomys floridanus Rana capito Salix floridana Sciurus niger shermani Spigelia loganioides Triphora craigheadii	Wagner's Spleenwort Many-flowered Grass-pink Chapman's Sedge Sand Butterfly Pea Florida Crabgrass Eastern Indigo Snake Scrub Buckwheat Gopher Tortoise Florida Sandhill Crane Florida Spiny-pod Pygmy Pipes Florida Long-tailed Weasel Southeastern Bat Celestial Lily Round-tailed Muskrat Yellow Fringeless Orchid Florida Mouse Gopher Frog Florida Willow Sherman's Fox Squirrel Pinkroot Craighead's Nodding-caps	GNA G2G3 G3 G2Q G1 G3 G4T3 G3 G5T2T3 G2 G1Q G5T3 G3G4 G3 G3 G3 G2 G5T3 G2 G5T3 G2 G5T3	\$1 \$2\$3 \$3 \$2 \$1 \$3 \$3 \$2 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$2 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	zzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzz	N L L L L L L L L L N L L L L L L L L L
Matrix Unit ID: 34098 Likely					
Haliaeetus leucocephalus Heterodon simus Mycteria americana	Bald Eagle Southern Hognose Snake Wood Stork	G5 G2 G4	\$3 \$2 \$2	N N LE	LT N LE
Potential		•	•		
Athene cunicularia floridana Calopogon multiflorus Carex chapmanii Centrosema arenicola Corynorhinus rafinesquii Digitaria floridana Drymarchon couperi Gopherus polyphemus Grus canadensis pratensis Matelea floridana Monotropsis reynoldsiae Mustela frenata peninsulae	Florida Burrowing Owl Many-flowered Grass-pink Chapman's Sedge Sand Butterfly Pea Rafinesque's Big-eared Bat Florida Crabgrass Eastern Indigo Snake Gopher Tortoise Florida Sandhill Crane Florida Spiny-pod Pygmy Pipes Florida Long-tailed Weasel	G4T3 G2G3 G3 G2Q G3G4 G1 G3 G5T2T3 G2 G1Q G5T3	\$3 \$2\$3 \$3 \$2 \$2 \$1 \$3 \$3 \$2\$3 \$2 \$1 \$3	2222722222	LS LE LE N N T LT LE N

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





INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal State Status Listing
Nemastylis floridana Neofiber alleni Platanthera integra Podomys floridanus Rana capito Salix floridana Sciurus niger shermani Spigelia loganioides	Southeastern Bat Celestial Lily Round-tailed Muskrat Yellow Fringeless Orchid Florida Mouse Gopher Frog Florida Willow Sherman's Fox Squirrel Pinkroot Craighead's Nodding-caps	G3G4 G2 G3 G3G4 G3 G3 G2 G5T3 G2Q G1	\$3 \$2 \$3 \$3 \$3 \$3 \$3 \$2 \$3 \$2 \$3	N N LE N N LS N LS N LS N LE N LE
Matrix Unit ID: 34099				•
Likely				
Heterodon simus	Bald Eagle Southern Hognose Snake Wood Stork	G5 G2 G4	S3 S2 S2	N LT N N LE LE
Potential				
Asplenium heteroresiliens Athene cunicularia floridana Bonamia grandiflora Calopogon multiflorus Carex chapmanii Centrosema arenicola Clitonia fragrans Coelorachis tuberculosa Corynorhinus rafinesquii Digitaria floridana Drymarchon couperi Eriogonum longifolium var. gnaphalifolium Gopherus polyphemus Grus canadensis pratensis Matelea floridana Monotropsis reynoldsiae Mustela frenata peninsulae Myotis austroriparius Nemastylis floridana Neofiber alleni Neoseps reynoldsi Platanthera integra Podomys floridanus Pteroglossaspis ecristata Rana capito Salix floridana Sciurus niger shermani Spigelia loganioides	Incised Groove-bur Wagner's Spleenwort Florida Burrowing Owl Florida Bonamia Many-flowered Grass-pink Chapman's Sedge Sand Butterfly Pea Scrub Pigeon-wing Piedmont Jointgrass Rafinesque's Big-eared Bat Florida Crabgrass Eastern Indigo Snake Scrub Buckwheat Gopher Tortoise Florida Sandhill Crane Florida Spiny-pod Pygmy Pipes Florida Long-tailed Weasel Southeastern Bat Celestial Lily Round-tailed Muskrat Sand Skink Yellow Fringeless Orchid Florida Mouse Giant Orchid Gopher Frog Florida Willow Sherman's Fox Squirrel Pinkroot Craighead's Nodding-caps	G3 GNA G4T3 G3 G2G3 G3 G3 G3 G4T3 G3 G4T3 G3 G5T2T3 G2 G1Q G5T3 G3G4 G2 G3 G2 G3 G4 G3 G5T2T3 G2 G3 G4 G5 G3 G3 G4 G5 G4 G5 G3 G4 G5 G4 G5 G5 G5 G5 G6 G5 G6 G6 G6 G6 G6 G7 G7 G7 G7 G7 G7 G7 G7 G7 G7 G7 G7 G7	\$2 \$1 \$3 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	N N N T N N N T N N N T T N N N T T N N N T T N N N T T N N N T T N N N T T N N N N T N N N N T N

Definitions: Documented - Rare species and natural communities documented on or near this site.





Natural Areas					ب سرين
INVENTORY	Common Nama	Global	State	Federal	State Listing
Scientific Name	Common Name	Rank	Rank	Status	Listing
Matrix Unit ID: 34422					
Likely		·			
Heterodon simus Mycteria americana	Southern Hognose Snake Wood Stork	G2 G4	S2 S2	N LE	N LE
Potential		•		-	
Asplenium heteroresiliens Asplenium plenum Athene cunicularia floridana Bonamia grandiflora Calopogon multiflorus Carex chapmanii Centrosema arenicola Clitoria fragrans Coelorachis tuberculosa Corynorhinus rafinesquii Drymarchon couperi Eriogonum longifolium var. gnaphalifolium Gopherus polyphemus Grus canadensis pratensis Matelea floridana Monotropsis reynoldsiae Mustela frenata peninsulae Myotis austroriparius Nemastylis floridana Neofiber alleni Neoseps reynoldsi Pituophis melanoleucus mugitus Podomys floridanus Polygala lewtonii Pycnanthemum floridanum Rana capito Salix floridana Sciurus niger shermani Spigelia loganioides Trichomanes punctatum ssp. floridanum Triphora craigheadii	Wagner's Spleenwort Ruffled spleenwort Florida Burrowing Owl Florida Bonamia Many-flowered Grass-pink Chapman's Sedge Sand Butterfly Pea Scrub Pigeon-wing Piedmont Jointgrass Rafinesque's Big-eared Bat Eastern Indigo Snake Scrub Buckwheat Gopher Tortoise Florida Sandhill Crane Florida Spiny-pod Pygmy Pipes Florida Long-tailed Weasel Southeastern Bat Celestial Lily Round-tailed Muskrat Sand Skink Florida Pine Snake Florida Mouse Lewton's Polygala Florida Mountain-mint Gopher Frog Florida Willow Sherman's Fox Squirrel Pinkroot Florida Filmy Fern Craighead's Nodding-caps	GNA G1Q G4T3 G3 G2G3 G3 G3G4 G3 G4T3 G3 G5T2T3 G2 G1Q G5T3 G3G4 G2 G3 G2 G4T3 G3 G3 G3 G3 G3 G4T3 G3 G4T3 G3 G4T3 G3 G4T3 G3	\$1 \$3 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	zzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzz	N N S E E E E E E T N L E L L L E E E E E E E E E E E E E E
Matrix Unit ID: 34423					
Likely	•				
Heterodon simus Mesic flatwoods	Southern Hognose Snake Wood Stork	G2 G4 G4	S2 S4 S2	N N LE	N N LE
Mycteria americana Potential	WOOD STOLK	94	32	LE	LE
Asplenium heteroresiliens Athene cunicularia floridana Bonamia grandiflora	Wagner's Spleenwort Florida Burrowing Owl Florida Bonamia	GNA G4T3 G3	S1 S3 S3	N N LT	N LS LE

Definitions: Documented - Rare species and natural communities documented on or near this site.



Biodiversity Matrix Report



 INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
 Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3	N	LE
Carex chapmanii	Chapman's Sedge	.G3	S3	N	LE
Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	N	LE
Clitoria fragrans	Scrub Pigeon-wing	G3	S3	LT	LE
Coelorachis tuberculosa	Piedmont Jointgrass	. G3	S3	N	LŢ
Corynorhinus rafinesquii	Rafinesque's Big-eared Bat	G3G4	S2	N	N
Digitaria floridana	Florida Crabgrass	. G1	. S1	N	N
Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT
Eriogonum longifolium var. gnaphalifolium	Scrub Buckwheat	G4T3	S3	LT	LE
Gopherus polyphemus	Gopher Tortoise	G3	S3 .	N	LT
Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Matelea floridana	Florida Spiny-pod	G2	S2	N	LE
Monotropsis reynoldsiae	Pygmy Pipes	G1Q	S1	N	LE
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N	N
Myotis austroriparius	Southeastern Bat	G3G4	S3	N	N
Nemastylis floridana	Celestial Lily	G2	S2	N	LE
Neofiber alleni	Round-tailed Muskrat	G3	S3	N	N
Neoseps reynoldsi	Sand Skink	G2	S2	LT	· LT
Nolina brittoniana	Britton's Beargrass	G3	S3 .	LE	LE
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N	N
Pituophis melanoleucus mugitus	Florida Pine Snake	G4T3	S3	N	LS
Platanthera integra	Yellow Fringeless Orchid	G3G4	S3	N	LE
Podomys floridanus	Florida Mouse	G3	S3	N	LS
Polygala lewtonii	Lewton's Polygala	G3	S3	LE	LE
Rana capito	Gopher Frog	. G3	S3	N	LS
Salix floridana	Florida Willow	. G2	S2	N	LE
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS
Spigelia loganioides	Pinkroot	G2Q	S2	N	LE
Stilosoma extenuatum	Short-tailed Snake	G3	S3	N	LT.
Triphora craigheadii	Craighead's Nodding-caps	Ģ1	S1	N	,·LE

Definitions: Documented - Rare species and natural communities documented on or near this site.



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

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

The Florida State University

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.

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<i>G1</i>	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 10,0000 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).
G 5	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.
- 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.

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

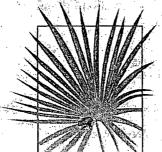
LE Listed as Endangered Plants in the Preservation of Native Flora of Florida Act. Defined as species of plants native to the state that are in imminent danger of extinction within the state, the survival of which is unlikely if the causes of a decline in the number of plants continue, and includes all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

Not currently listed, nor currently being considered for listing.



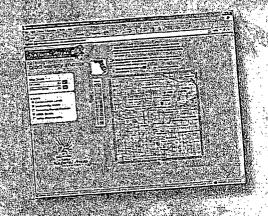
1018 Thomasville Road Suite 200-C Tallahassee, FL 32303 (850) 224-8207 (850) 681-9364 Fax www.fnai.org

Natural Areas





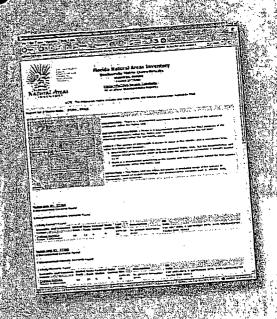




FNAI's Biodiversity Matrix Online

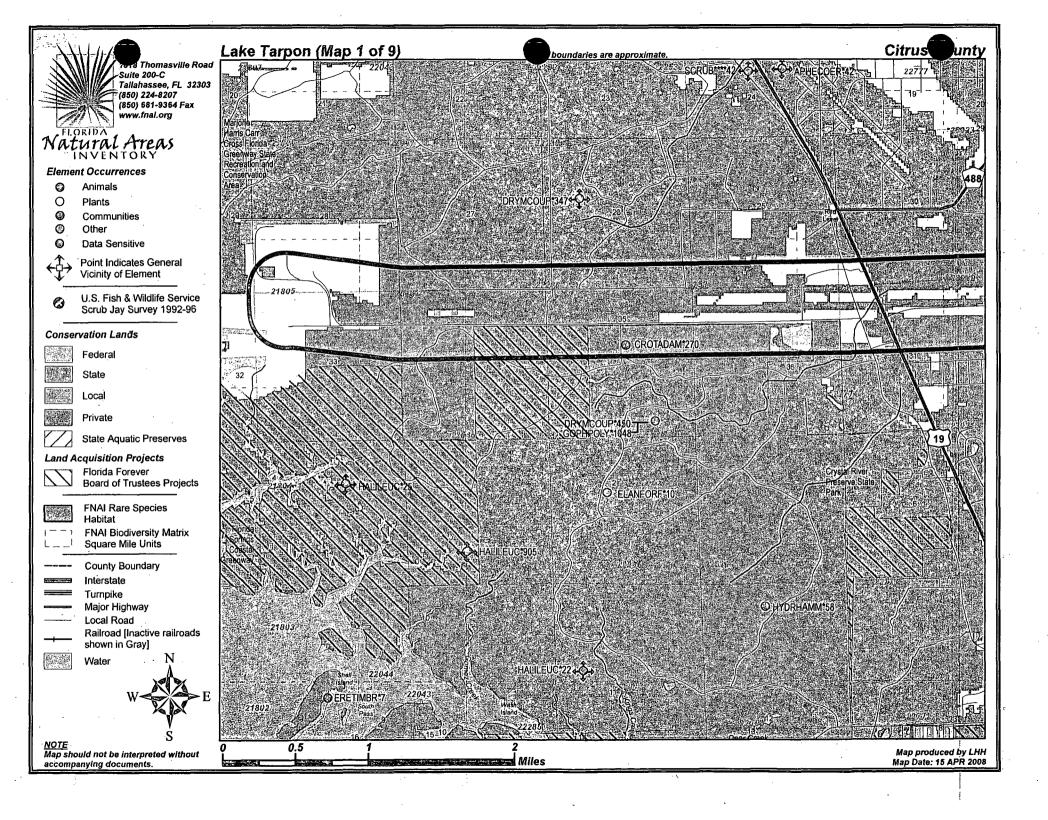
The Biodiversity Matrix Map Server is a new screening tool from FNAI that provides immediate, free access to rare species occurrence information statewide. This tool allows you to zoom to your site of interest and create a report listing documented, likely, and potential occurrences of rare species and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







INVENTORY			ENTORY Global State Federal State Observation			า			
Map Label	Scientific Name	Common Name	Rank	Rank	Status	Listing	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
DDV/MOOLID*0.47	D	Éastan Indian Oralia	00				4070 40		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 .		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).







INVEN		•	Global	State	Federal	State	Observatio	n	
Map Label	Scientific Name	Common Name	Rank	Rank	Status	Listing	Date	Description	EO Comments
HALILEUC*22	Haliaeetus leucocephalus	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	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:
	· ·						Å.	* · · · · · · · · · · · · · · · · · · ·	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	Haliaeetus leucocephalus	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;
·	.*				٠			Contract of the Contract of th	1992: NO DATA; 1991: ACTIVE, PRODUCTIVITY





NATUTAL FITEAS						
Scientific Name	Common Name	Global Rank	State Federal Rank Status	State Listing		
Matrix Unit ID: 21805			•	•		
Likely			* 2"			
Drymarchon couperi Manatee aggregation site Ursus americanus floridanus	Eastern Indigo Snake Florida Black Bear	G3 GNR G5T2	S3 LT SNR N S2 N	LT N LT*		
Potential	. .			· r		
Acipenser oxyrinchus desotoi Ammodramus maritimus peninsulae Asplenium heteroresiliens Caretta caretta Chelonia mydas Cistothorus palustris marianae Corynorhinus rafinesquii Forestiera godfreyi Gopherus polyphemus Justicia cooleyi Leitneria floridana Mustela frenata peninsulae Myotis austroriparius Neovison vison halilimnetes Nerodia clarkii clarkii Phyllanthus leibmannianus ssp. platylepis Podomys floridanus Rallus longirostris scottii Spigelia loganioides Trichechus manatus	Gulf Sturgeon Scott's Seaside Sparrow Wagner's Spleenwort Loggerhead Green Turtle Marian's Marsh Wren Rafinesque's Big-eared Bat Godfrey's Swampprivet Gopher Tortoise Cooley's Water-willow Corkwood Florida Long-tailed Weasel Southeastern Bat Gulf Salt Marsh Mink Gulf Salt Marsh Snake Pinewood Dainties Florida Mouse Florida Clapper Rail Pinkroot Manatee	G3T2 G4T3Q GNA G3 G5T3 G5T3 G2 G3 G5T3 G5T3 G4T4 G4T2 G3 G5T3? G2Q G2	\$2 LT \$3 N \$1 N \$3 LT \$2 LE \$3 N \$2 N \$3 N \$2 N \$3 N \$3 N \$3 N \$3 N \$3 N \$3 N \$3 N \$3	SSNTESNETETNNNNSNEE		
Matrix Unit ID: 22046						
Likely						
Drymarchon couperi Mesic flatwoods Ursus americanus floridanus	Eastern Indigo Snake Florida Black Bear	G3 G4 G5T2	S3 LT S4 N S2 N	LT N LT*		
Potential						
Aimophila aestivalis Asplenium heteroresiliens Corynorhinus rafinesquii Forestiera godfreyi Gopherus polyphemus Justicia cooleyi Leitneria floridana Mustela frenata peninsulae Myotis austroriparius Neovison vison halilimnetes Phyllanthus leibmannianus ssp. platylepis Podomys floridanus Sciurus niger shermani	Bachman's Sparrow Wagner's Spleenwort Rafinesque's Big-eared Bat Godfrey's Swampprivet Gopher Tortoise Cooley's Water-willow Corkwood Florida Long-tailed Weasel Southeastern Bat Gulf Salt Marsh Mink, Pinewood Dainties Florida Mouse Sherman's Fox Squirrel	G3 GNA G3G4 G2 G3 G5T3 G5T3 G4T2 G3 G5T3	\$3 N \$1 N \$2 N \$2 N \$3 N \$2 LE \$3 N \$3 N \$3 N \$3 N \$3 N \$3 N	N N N E LT E T N N N E ES ES		

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.



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

Florida Natural Areas Inventory



Natural Areas				18	851 · /®		
INVENTORY	Common Name	Global Rank	State Rank	Federal Status	State Listing		
Spigelia loganioides	Pinkroot	G2Q	S2	Ň	LE		
Matrix Unit ID: 22288			•	,			
Documented							
Crotalus adamanteus	Eastern Diamondback Rattlesnake	G4	Š3	N	· N		
Likely	ि के सुक्षित्र के लिए हैं जिसे हैं। कि	¥:	. •		7		
	Eastern Indigo Snake Florida Black Bear	G3 G5T2	S3 S2	LT N	LT LT*		
Potential		•					
Asplenium heteroresiliens Corynorhinus rafinesquii Forestiera godfreyi Gopherus polyphemus Justicia cooleyi Leitneria floridana Mustela frenata peninsulae Myotis austroriparius Neovison vison halilimnetes Phyllanthus leibmannianus ssp. platylepis Podomys floridanus Sciurus niger shermani	Bachman's Sparrow Wagner's Spleenwort Rafinesque's Big-eared Bat Godfrey's Swampprivet Gopher Tortoise Cooley's Water-willow Corkwood Florida Long-tailed Weasel Southeastern Bat Gulf Salt Marsh Mink Pinewood Dainties Florida Mouse Sherman's Fox Squirrel Pinkroot	G3 GNA G3G4 G2 G3 G5T3 G5T3 G4T2 G3 G5T3 G2Q	\$3 \$1 \$2 \$2 \$3 \$2 \$3 \$3 \$3 \$2 \$3 \$2 \$3 \$2 \$3	N N N N N N N N N N N N N N N N N N N	N N N L L L L Z N N L L S L S L L L S L L L S L L L S L L L S L L L L S L		
Matrix Unit ID: 22531		ę		·			
Likely	•						
Mesic flatwoods	Eastern Indigo Snake Florida Black Bear	G3 G4 G5T2	S3 S4 S2	LT ' N N	LT [*] N LT*		
Potential							
Asplenium heteroresiliens Corynorhinus rafinesquii Forestiera godfreyi Gopherus polyphemus Justicia cooleyi Leitneria floridana Matelea floridana Mustela frenata peninsulae Myotis austroriparius Neovison vison halilimnetes Phyllanthus leibmannianus ssp. platylepis Podomys floridanus Sciurus niger shermani	Bachman's Sparrow Wagner's Spleenwort Rafinesque's Big-eared Bat Godfrey's Swampprivet Gopher Tortoise Cooley's Water-willow Corkwood Florida Spiny-pod Florida Long-tailed Weasel Southeastern Bat Gulf Salt Marsh Mink Pinewood Dainties Florida Mouse Sherman's Fox Squirrel Pinkroot	G3 GNA G3G4 G2 G3 G2 G5T3 G3G4 G5T3 G4T2 G3 G5T3 G2Q	\$3 \$1 \$2 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	2222E2222222			

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.





				351			
Common Name	Global Rank	State Rank	Federal Status	State Listing			
Short-tailed Snake	G3 .	S3	Ń.	LT			
en e			2 +	•			
			ı	• •			
Eastern Indigo Snake Southern Hognose Snake Florida Black Bear	G3 G2 G4 G5T2	\$3 \$2 \$4 \$2	LT N N	LT N N LT*			
÷							
Bachman's Sparrow Wagner's Spleenwort Rafinesque's Big-eared Bat Godfrey's Swampprivet Gopher Tortoise Cooley's Water-willow Corkwood Florida Spiny-pod Florida Long-tailed Weasel Southeastern Bat Pinewood Dainties Florida Mouse Sherman's Fox Squirrel Pinkroot Short-tailed Snake	G3 GNA G3G4 G2 G3 G2 G5T3 G3G4 G4T2 G3 G5T3 G2Q G3	\$3 \$1 \$2 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$5 \$3 \$5 \$3 \$5 \$3 \$5 \$3 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5	ZZZZZZZZZZZZZZZZZZ	N N N L L L L L L L L L L L L L L L L L			
<i>y</i> .		. ,					
Florida Scrub-jay Eastern Indigo Snake Southern Hognose Snake Florida Black Bear	G2 G3 G2 G4 G5T2	S2 S3 S2 S4 S2	LT LT N N	LT LT N N LT*			
Bachman's Sparrow Rafinesque's Big-eared Bat Godfrey's Swampprivet Gopher Tortoise Cooley's Water-willow Corkwood Florida Spiny-pod Florida Long-tailed Weasel Southeastern Bat Gulf Salt Marsh Mink Striped Newt Pinewood Dainties Florida Mouse	G3 G3G4 G2 G3 G2 G5T3 G3G4 G5T3 G2G3 G4T2 G3	\$3 \$2 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$3 \$2 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	zzzzzzzzzzzzzz	N N LET LE Z Z Z Z LE LS			
	Eastern Indigo Snake Southern Hognose Snake Florida Black Bear Bachman's Sparrow Wagner's Spleenwort Rafinesque's Big-eared Bat Godfrey's Swampprivet Gopher Tortoise Cooley's Water-willow Corkwood Florida Spiny-pod Florida Long-tailed Weasel Southeastern Bat Pinewood Dainties Florida Mouse Sherman's Fox Squirrel Pinkroot Short-tailed Snake Florida Black Bear Bachman's Sparrow Rafinesque's Big-eared Bat Godfrey's Swampprivet Gopher Tortoise Cooley's Water-willow Corkwood Florida Spiny-pod Florida Spiny-pod Florida Spiny-pod Florida Long-tailed Weasel Southeastern Bat Gulf Salt Marsh Mink Striped Newt Pinewood Dainties	Common NameRankShort-tailed SnakeG3Southern Hognose SnakeG2Florida Black BearG5T2Bachman's SparrowG3Wagner's SpleenwortGNARafinesque's Big-eared BatG3G4Godfrey's SwampprivetG2Gopher TortoiseG3Cooley's Water-willowG2CorkwoodG3Florida Spiny-podG2Florida Spiny-podG2Florida MouseG3Sherman's Fox SquirrelG5T3PinkrootG2QShort-tailed SnakeG3Florida Black BearG5T3Florida Black BearG5T2Bachman's SparrowG3Rafinesque's Big-eared BatG3G4Godfrey's SwampprivetG2Gopher TortoiseG3Cooley's Water-willowG2CorkwoodG3Florida Spiny-podG2Florida Long-tailed WeaselG5T3Southeastern BatG3G4Golf Salt Mars	Common Name Rank Rank Short-tailed Snake G3 S3 Eastern Indigo Snake G2 S2 Southern Hognose Snake G2 S2 Florida Black Bear G5T2 S2 Bachman's Sparrow G3 S3 Wagner's Spleenwort GNA S1 Rafinesque's Big-eared Bat G3G4 S2 Godfrey's Swampprivet G2 S2 Godfrey's Water-willow G2 S2 Corkwood G3 S3 Florida Spiny-pod G2 S2 Florida Long-tailed Weasel G5T3 S3 Southeastern Bat G3G4 S3 Pinewood Dainties G4T2 S2 Florida Mouse G3 S3 Sherman's Fox Squirrel G5T3 S3 Pinkroot G2C S2 Short-tailed Snake G3 S3 Florida Scrub-jay G2 S2 Eastern Indigo Snake G3 S3 Southern Hog	Common Name Rank Rank Status Short-tailed Snake G3 S3 N Eastern Indigo Snake G2 S2 N Southern Hognose Snake G2 S2 N Florida Black Bear G5TZ S2 N Bachman's Sparrow G3 S3 N Wagner's Spleenwort GNA S1 N Rafinesque's Big-eared Bat G3G4 S2 N Godfrey's Swampprivet G2 S2 N Godfrey's Swampprivet G2 S2 N Godfrey's Water-willow G2 S2 LE Corkwood G3 S3 N Florida Spiny-pod G2 S2 N Florida Long-tailed Weasel G5T3 S3 N Southeastern Bat G3G4 S3 N Florida Mouse G3 S3 N Florida Mouse G3 S3 N Florida Scrub-jay G2 S2			

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.

Page 3 of 4

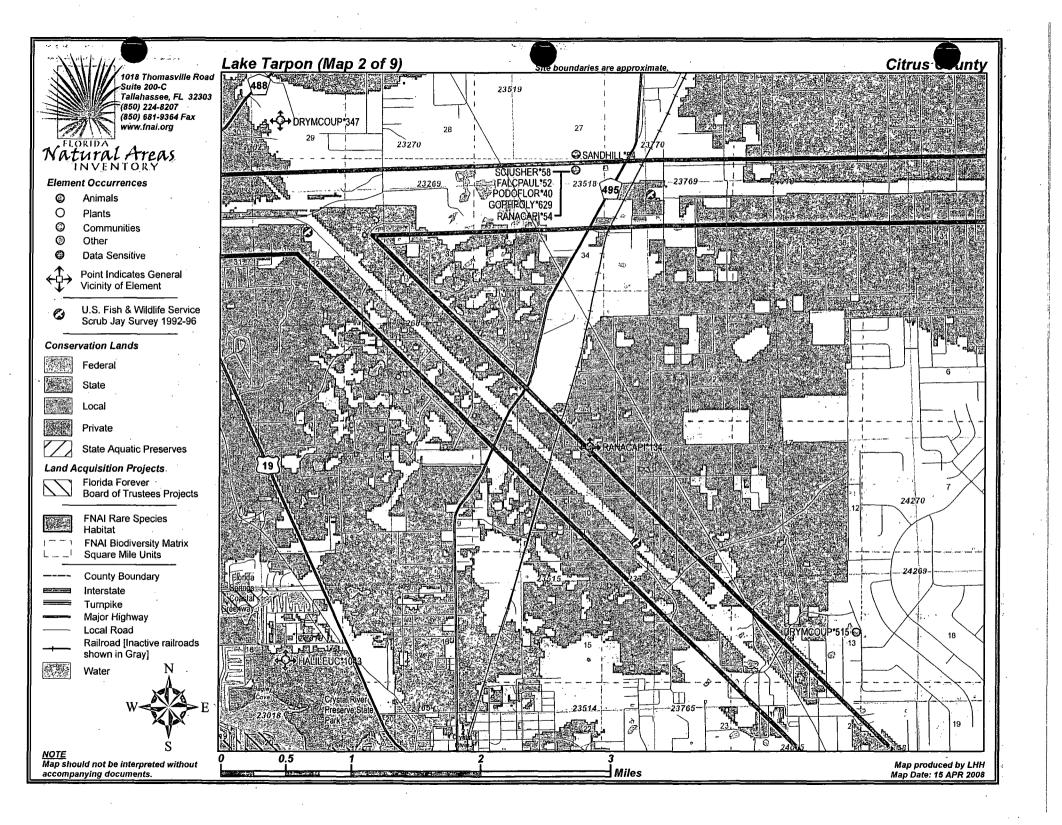




NATUTAL ATTEAS							
INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing		
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS		
Spigelia loganioides	Pinkroot	G2Q	S2	N	LE		
Stilosoma extenuatum	Short-tailed Snake	G3	S3	N ,	LT		
Matrix Unit ID: 23022					11 -21		
Likely	187		*****		. 4		
Aphelocoma coerulescens	Florida Scrub-jay	G2	S2	LT	ĹT		
Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT		
Heterodon simus	Southern Hognose Snake	G2	S2	N.	N		
Mesic flatwoods	•	G4	S4	N	N ₂		
Potential	actions of the second			•.			
Agrimonia incisa	Incised Groove-bur	G3	S2	N	LE		
Aimophila aestivalis	Bachman's Sparrow	G3	S3	. N	N		
Asplenium heteroresiliens	Wagner's Spleenwort	GNA	S1	N N	N		
Corynorhinus rafinesquii	Rafinesque's Big-eared Bat	G3G4	S2	N	N		
Forestiera godfreyi	Godfrey's Swampprivet	G2	S2	N	LE		
Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT .		
Justicia cooleyi	Cooley's Water-willow	G2	S2	LE	LE		
Leitneria floridana	Corkwood	G3	S3	N	LT		
Matelea floridana	Florida Spiny-pod	G2	S2	N	LE		
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N	N		
Myotis austroriparius	Southeastern Bat	G3G4	S3	Ň	N		
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N	Ñ		
Phyllanthus leibmannianus ssp. platylepis		G4T2	S2		LE		
Podomys floridanus	Florida Mouse	G3-	S3	Ņ N	LS		
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS		
Spigelia loganioides	Pinkroot	G2Q	S2	N	LE		
Stilosoma extenuatum	Short-tailed Snake	G3	S3	Ň	ĪΤ		



Definitions: Documented - Rare species and natural communities documented on or near this site.







INVENT		Common Name			Federal Status		Observation Date		EO Commente
Map Label	Scientific Name	Common Name	Raiik	Kalik	Status	Lisung	Date	Description	EO Comments
RANACAPI*134	Rana capito	Gopher Frog	G3	S 3	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	Ņ	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	Ģ3 💡	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 (U06MAl01FLUS)





Natural Areas				10	
INVENTORY	Common Name	Global Rank	State Rank	Federal Status	State Listing
Matrix Unit ID: 23021				The state of the s	:
Likely					
Drymarchon couperi Heterodon simus Mesic flatwoods	Florida Scrub-jay Eastern Indigo Snake Southern Hognose Snake Florida Black Bear	G2 G3 G2 G4 G5T2	\$2 \$3 \$2 \$4 \$2	LT LT N N	LT LT N N N LT*
Potential	·			3.7	
Corynorhinus rafinesquii Forestiera godfreyi Gopherus polyphemus Justicia cooleyi Leitneria floridana Matelea floridana Mustela frenata peninsulae Myotis austroriparius Neovison vison halilimnetes Notophthalmus perstriatus Phyllanthus leibmannianus ssp. platylepis Podomys floridanus Sciurus niger shermani Spigelia loganioides	Bachman's Sparrow Rafinesque's Big-eared Bat Godfrey's Swampprivet Gopher Tortoise Cooley's Water-willow Corkwood Florida Spiny-pod Florida Long-tailed Weasel Southeastern Bat Gulf Salt Marsh Mink Striped Newt Pinewood Dainties Florida Mouse Sherman's Fox Squirrel Pinkroot Short-tailed Snake	G3 G3G4 G2 G3 G2 G5T3 G3G4 G5T3 G4T2 G3 G5T3 G2Q G3	\$3 \$2 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	N N N E N N N N N N N N N N N N N N N N	N N LET LE N N N N LE S LE LT LT LE
Matrix Unit ID: 23022	* # ***		,		
Likely				•	
Drymarchon couperi	Florida Scrub-jay Eastern Indigo Snake Southern Hognose Snake	G2 G3 G2 G4	S2 S3 S2 S4	LT LT N N	LT LT N N
Potential		•			
Agrimonia incisa Aimophila aestivalis Asplenium heteroresiliens Corynorhinus rafinesquii Forestiera godfreyi Gopherus polyphemus Justicia cooleyi Leitneria floridana Matelea floridana Mustela frenata peninsulae Myotis austroriparius Notophthalmus perstriatus Phyllanthus leibmannianus ssp. platylepis Podomys floridanus	Incised Groove-bur Bachman's Sparrow Wagner's Spleenwort Rafinesque's Big-eared Bat Godfrey's Swampprivet Gopher Tortoise Cooley's Water-willow Corkwood Florida Spiny-pod Florida Long-tailed Weasel Southeastern Bat Striped Newt Pinewood Dainties Florida Mouse	G3 GNA G3G4 G2 G3 G2 G5T3 G3G4 G2G3 G4T2 G3	\$2 \$3 \$1 \$2 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	22222	LE N N N LE LE N N N LE LS

Definitions: Documented - Rare species and natural communities documented on or near this site.



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

Florida Natural Areas Inventory Biodiversity Matrix Report



N	atural Areas	5
	INVENTORY	

Natural Areas	•		
Scientific Name	Common Name	Global State Federal Rank Rank Status	State Listing
Sciurus niger shermani Spigelia loganioides	Sherman's Fox Squirrel Pinkroot	G5T3 S3 N G2Q S2 N	LS LE
Stilosoma extenuatum	Short-tailed Snake	G3 S3 N	LT
Matrix Unit ID: 23267			2.0
Likely	and the second s		: .
Aphelocoma coerulescens Heterodon simus Mesic flatwoods	Florida Scrub-jay Southern Hognose Snake	G2 S2 LT G2 S2 N G4 S4 N	LT N N
Potential	. The state of the	And the second of the second o	
Aimophila aestivalis Asplenium heteroresiliens Centrosema arenicola Corynorhinus rafinesquii Drymarchon couperi Forestiera godfreyi Gopherus polyphemus Justicia cooleyi Leitneria floridana Matelea floridana Monotropsis reynoldsiae Mustela frenata peninsulae Myotis austroriparius Nemastylis floridana Neovison vison halilimnetes Notophthalmus perstriatus Podomys floridanus Sciurus niger shermani Spigelia loganioides Stilosoma extenuatum	Bachman's Sparrow Wagner's Spleënwort Sand Butterfly Pea Rafinesque's Big-eared Bat Eastern Indigo Snake Godfrey's Swampprivet Gopher Tortoise Cooley's Water-willow Corkwood Florida Spiny-pod Pygmy Pipes Florida Long-tailed Weasel Southeastern Bat Celestial Lily Gulf Salt Marsh Mink Striped Newt Florida Mouse Sherman's Fox Squirrel Pinkroot Short-tailed Snake	G3 S3 N GNA S1 N G2Q S2 N G3G4 S2 N G3 S3 LT G2 S2 N G3 S3 N G2 S2 LE G3 S3 N G2 S2 LE G3 S3 N G2 S2 LE G3 S3 N G2 S2 N G1Q S1 N G5T3 S3 N G2 S2 N G5T3 S3 N G3 S3 N G5T3 S3 N G5T3 S3 N	N N E N L E L E L E E N N E N L E L E L
Matrix Unit ID: 23268	A A Comment of Comment		
Likely	·		
Aphelocoma coerulescens Drymarchon couperi Heterodon simus Mesic flatwoods	Florida Scrub-jay Eastern Indigo Snake Southern Hognose Snake	G2 S2 LT G3 S3 LT G2 S2 N G4 S4 N	LT LT N
Potential			
Agrimonia incisa Aimophila aestivalis Asplenium heteroresiliens Corynorhinus rafinesquii Forestiera godfreyi Gopherus polyphemus Justicia cooleyi Leitneria floridana	Incised Groove-bur Bachman's Sparrow Wagner's Spleenwort Rafinesque's Big-eared Bat Godfrey's Swampprivet Gopher Tortoise Cooley's Water-willow Corkwood	G3 S2 N G3 S3 N GNA S1 N G3G4 S2 N G2 S2 N G3 S3 N G2 S2 LE G3 S3 N	LE N N N LE LT LE LT





NVENTORY	Natural Areas			1851 · ®
Mustela frenata peninsulae Florida Long-tailed Weasel G5T3 S3 N N Myotis austroriparius Southeastern Bat I. G3G4 S3 N N Newison vison halilimnetes Celestial Lily G2 S2 N L Nevison vison halilimnetes Guft Satt Marsh Mink G5T3 S3 N N Netophthalimus perstriatus Striped Newt G2G3 S2S3 N N Phyllanthus leibmannianus ssp. platylepis Striped Newt G2G3 S2S3 N L Rana capito Gopher Frog G3 S3 N LS Spigelia loganiodes Pinkroot G3C0 S2 N LE Spigelia loganiodes Pinkroot G3C0 S2 N LE LE Stiliosome extenuelum Short-tailed Snake G2 S2 LT LT LT LT LH Heterodon simus Southern Hognose Snake G2 S2 N N N N N A Sa S3 N	INVENTORY	Common Name		
Mustela frenata peninsulae Florida Long-tailed Weasel G5T3 S3 N N Myotis sustroriparius Celestial Lily G2 S2 N LE Neovison vison halilimnetes Gulf Satt Marsh Mink G5T3 S3 N N Notophthalmus perstriatus Stiped Newt G2G3 S2S3 N N Phyllanthus leibmannianus ssp. platylepis Pinewood Dainties G4T2 S2 N LE Podomys floridanus G0 G2 S2S3 N N N Rana capito G0pher Frog G3 S3 N LS S3 N LS Sciurus niger shermani Sherman's Fox Squirrel G5T3 S3 N LS S3 N LS Shjjella loganioides Pinkroot G2 S2 N LE LE LT LT LT LT LT LT LT LT LT LH Heferodon simus Southern Hognose Snake G2 S2 L	Matelea floridana	Florida Spiny-pod	G2	S2 N LE
Myoris austroriparius Southeastern Bat G3G4 S3 N N Nemasybis floridaria Celestial Lify G2 S2 N LE Neosyison vision halilimnetes Gulf Salt Marsh Mink G5G3 S3 N N Notophthalmus perstriatus Striped Newt G2G3 S2S3 N N Prodomys floridanus Florida Mouse G3 S3 N LE Prodomys floridanus Florida Mouse G3 S3 N LS Rana capito Copher Frog G3 S3 N LS Sciurus niger shermani Sherman's Fox Squirrel G5T3 S3 N LS Spigelia loganioides Pinkroot G2 S2 N LE Stillosoma extenualum Short-tailed Snake G3 S3 N LT Likely Aphelocoma coerulescens Florida Scrub-jay G2 S2 LT LT April Dana Capital Southern Hognose Snake				
Nemastylis floridana			G3G4	S3 N N
Notophthalmus perstriatus		Celestial Lily	G2	S2 N LE
Phyllanthus leibmannianus ssp. platylepis Pinewood Dainties G4172 \$2 N LE Podomys floridanus Florida Mouse G3 \$3 N LS Rana capito Gopher Frog G3 \$3 N LS Solurus niger shermani Sherman's Fox Squirrel G573 \$3 N LS Spigelia loganioides Pinkroot G2Q \$2 N LE Stilosoma extenuatum Short-tailed Snake G3 \$3 N LT		Gulf Salt Marsh Mink	G5T3	S3 N N
Phyllanthus leibmannianus ssp. platylepis Pinewood Dainties G417 S2 N LE Rana capito Gopher Frog G3 S3 N LS Sciurus niger shemani Spigella loganioides Pinkroot G2Q S2 N LE Stilosoma extenuatum Short-tailed Shake G3 S3 N LS Stilosoma extenuatum Short-tailed Shake G3 S3 N LT Matrix Unit ID: 23269	Notophthalmus perstriatus	Striped Newt	G2G3	
Rana capito Gopher Frog G3 S3 N LS	Phyllanthus leibmannianus ssp. platylepis	Pinewood Dainties		
Sciurus niger shermani	Podomys floridanus	Florida Mouse		
Spigelia loganioides Stilosoma extenuatum Short-tailed Shake G2 S2 N LT	Rana capito			
Matrix Unit ID: 23269	Sciurus niger shermani	Sherman's Fox Squirrel		
Matrix Unit ID: 23269 Likely Aphelocoma coerulescens Florida Scrub-jay G2 S2 LT LT Heterodon simus Southern Hognose Snake G2 S2 N N Mesic flatwoods G4 S4 N N Sandhill upland lake G3 S2 N N Potential Agrimonia incisa Incised Groove-bur G3 S2 N LE Aimophila aestivalis Bachman's Sparrow G3 S3 N N Asplenium heteroresiliens Wagner's Spleenwort GNA S1 N N Drymarchon couperi Eastern Indigo Snake G3 S3 LT LT Forestiera godfreyi Godfrey's Swampprivet G2 S2 N LE Gopherus polyphemus Gopher Tortoise G3 S3 N LT Justicia cooleyi Cooley's Water-willow G2 S2 LE LE Leitneria floridana Corkivod	Spigelia loganioides	Pinkroot ·		
Likely Aphelocoma coerulescens Heterodon simus Mesic flatwoods Sandhill upland lake Otherial Agrimonia incisa Aimophila aestivalis Bachman's Sparrow Bachman's Sperrow Bachman's Bachman's Sperrow Bachman's Sp	Stilosoma extenuatum	Short-tailed Snake	G3	S3 N LT
Likely Aphelocoma coerulescens Heterodon simus Mesic flatwoods Sandhill upland lake Otherial Agrimonia incisa Aimophila aestivalis Bachman's Sparrow Bachman's Sperrow Bachman's Bachman's Sperrow Bachman's Sp	Matrix Unit ID: 23269			
Aphelocoma coerulescens Heterodon simus Southern Hognose Snake G2 S2 N N Mesic flatwoods Sandhill upland lake Cotential Agrimonia incisa Almophila aestivalis Bachman's Sparrow Asplenium heteroresiliens Bachman's Sparrow G3 S3 N N Aphelocoma coerulescens Bachman's Sparrow G3 S3 N N Aphelocoma coerulescens Briorida Scrub-jay Briorida Scrub-jay Briorida Scrub-jay Briorida Scrub-jay G2 S2 LT LT LT LT G4 S4 N N S3 S2 N LE G4 S4 N N S3 S2 N LE G5 N N LE G4 S4 N N N S5 S2 N LE G5 N N N N N N N N N N N N N N N N N N N	•			* / A
Heterodon simus				
Mesic flatwoods Sandhill upland lake Potential Agrimonia incisa Incised Groove-bur Alimophila aestivalis Bachman's Sparrow G3 S3 N N Asplenium heteroresiliens Wagner's Spleenwort GNA S1 N N Drymarchon couperi Eastern Indigo Snake G3 S3 N LT Drymarchon couperi Eastern Indigo Snake G3 S3 N LT Gopherus polyphemus Godfrey's Swampprivet G2 S2 N LE Gopherus polyphemus Gopher Tortoise G3 S3 N LT Justicia cooleyi Cooley's Water-willow G2 S2 LE LE Leitneria floridana Corkwood G3 S3 N LT Litsea aestivalis Pondspice G3 S2 N LE Matelea floridana Florida Spiny-pod G2 S2 N LE Mustela frenata peninsulae Florida Spiny-pod G2 S2 N LE Mustela frenata peninsulae Florida Long-tailed Weasel G5T3 S3 N N Myotis austroriparius Southeastern Bat G3G4 S3 N N Notophthalmus perstriatus Striped Newt G2G3 S2S3 N N Notophthalmus perstriatus Florida Mouse G3 S3 N LS Prieroglossaspis ecristata Giant Orchid G2G3 S2 N LS Prieroglossaspis ecristata Gopher Frog G3 S3 N LS Sciurus niger shermani Sherman's Fox Squirrel G5T3 S3 N LS Spigelia loganioides Pinkroot G2Q S2 N LE Stilosoma extenuatum Short-tailed Snake G3 S3 N LT Matrix Unit ID: 23515 Likely Aphelocoma coerulescens Florida Scrub-jay G2 S2 LT LT Drymarchon couperi Eastern Indigo Snake G3 S3 LT				
Sandhill upland lake Potential Agrimonia incisa Agrimonia incisa Agrimonia incisa Asplenium heteroresiliens Drymarchon couperi Eastern Indigo Snake G3 S3 N N N Asplenium heteroresiliens Wagner's Spleenwort GNA S1 N N Drymarchon couperi Eastern Indigo Snake G3 S3 LT LT Forestiera godfreyi Godfrey's Swampprivet G2 S2 N LE Gopherus polyphemus Gopher Tortoise G3 S3 N LT Justicia cooleyi Cooley's Water-willow G2 S2 LE LE Leitneria floridana Corkwood G3 S3 N LT Litsea aestivalis Pondspice G3 S2 N LE Matelea floridana Florida Spiny-pod G2 S2 N LE Mustela frenata peninsulae Florida Spiny-pod G2 S2 N LE Mustela frenata peninsulae Florida Long-tailed Weasel G573 S3 N N N Myotis austroriparius Southeastern Bat G2G3 S23 N N N Phyllanthus leibmannianus ssp. platylepis Podomys floridanus Florida Mouse G3 S3 N N N Phyllanthus leibmannianus ssp. platylepis Pleroglossaspis ecristata Giant Orchid G2G3 S2 N LE Rana capito Gopher Frog G3 S3 N LS Sciurus niger shermani Sherman's Fox Squirrel G573 S3 N LS Sciurus niger shermani Sherman's Fox Squirrel G573 S3 N LS Sciurus niger shermani Sherman's Fox Squirrel G573 S3 N LS Sciurus niger shermani Sherman's Fox Squirrel G573 S3 N LS Sciurus niger shermani Sherman's Fox Squirrel G573 S3 N LS Sciurus niger shermani Sherman's Fox Squirrel G573 S3 N LS Sciurus niger shermani Sherman's Fox Squirrel G573 S3 N LS Sciurus niger shermani Sherman's Fox Squirrel G573 S3 N LS Sciurus niger shermani Sherman's Fox Squirrel G573 S3 N LS Sciurus niger shermani Sherman's Fox Squirrel G573 S3 N LS Sciurus niger shermani Sherman's Fox Squirrel G573 S3 N LS Sciurus niger shermani Sherman's Fox Squirrel G573 S3 N LS Sciurus niger shermani Sherman's Fox Squirrel G573 S3 N LT Matrix Unit ID: 23515		Southern Hognose Snake		
Agrimonia incisa Incised Groove-bur G3 S2 N LE Aimophila aestivalis Bachman's Sparrow G3 S3 N N N Asplenium heteroresiliens Wagner's Spleenwort GNA S1 N N Drymarchon couperi Eastern Indigo Snake G3 S3 LT LT Forestiera godfreyi Godfrey's Swampprivet G2 S2 N LE Gopherus polyphemus Gopher Tortoise G3 S3 N LT LT Justicia cooleyi Cooley's Water-willow G2 S2 LE LE LE Leitheria floridana Corkwood G3 S3 N LT LT Litsea aestivalis Pondspice G3 S2 N LE Matelea floridana Florida Spiny-pod G2 S2 N LE Mustela frenata peninsulae Florida Long-tailed Weasel G5T3 S3 N N N N Notophthalmus perstriatus Southeastern Bat G3G4 S3 N N N N Notophthalmus perstriatus Striped Newt G2G3 S2S3 N N N Phyllanthus leibmannianus ssp. platylepis Plorewood Dainties G4T2 S2 N LE Plorida Mouse G3 S3 N LS Sciurus niger shermani Sherman's Fox Squirrel G5T3 S3 N LS Spigelia loganioides Pinkroot G2C9 S2 N LE Stilosoma extenuatum Short-tailed Snake G3 S3 N LT LT Matrix Unit ID: 23515 Likely Aphelocoma coerulescens Florida Scrub-jay G2 S2 LT LT LT LT Dymarchon couperi Eastern Indigo Snake G3 S3 LT LT				
Agrimonia incisa Incised Groove-bur G3 S2 N LE Aimophila aestivalis Bachman's Sparrow G3 S3 N N N Asplenium heteroresiliens Wagner's Spleenwort GNA S1 N N Drymarchon couperi Eastern Indigo Snake G3 S3 LT LT Forestiera godfreyi Godfrey's Swampprivet G2 S2 N LE Gopherus polyphemus Gopher Tortoise G3 S3 N LT LT Justicia cooleyi Cooley's Water-willow G2 S2 LE LE Leineria floridana Corkwood G3 S3 N LT LT Litsea aestivalis Pondspice G3 S2 N LE Matelea floridana Florida Spiny-pod G2 S2 N LE Matelea floridana Florida Long-tailed Weasel G5T3 S3 N N N N Notophthalmus perstriatus Southeastern Bat G3G4 S3 N N N N Notophthalmus perstriatus Striped Newt G2G3 S2S3 N N N Phyllanthus leibmannianus ssp. platylepis Plorida Mouse G3 S3 N LS Pteroglossaspis ecristata Giant Orchid G2G3 S2 N LS Pteroglossaspis ecristata Giant Orchid G2G3 S2 N LS Sciurus niger shermani Sherman's Fox Squirrel G5T3 S3 N LS Spigelia loganioides Pinkroot G2C S2 N LE Stilosoma extenuatum Short-tailed Snake G3 S3 LT LT LT LT Drymarchon couperi Eastern Indigo Snake G3 S3 LT	Sandhill upland lake		G3	S2 N N
Almophila aestivalis Asplenium heteroresiliens Wagner's Spleenwort BONA Asplenium heteroresiliens Wagner's Spleenwort BONA BONA BONA BONA BONA BONA BONA BONA	Potential			7
Almophila aestivalis Asplenium heteroresiliens Wagner's Spleenwort BONA Asplenium heteroresiliens Wagner's Spleenwort BONA BONA BONA BONA BONA BONA BONA BONA	Agrimonia incisa	Incised Groove-bur	G3	S2 N LE
Asplenium heteroresiliens Drymarchon couperi Eastern Indigo Snake G3 S3 LT LT Forestiera godfreyi Godfrey's Swampprivet G2 S2 N LE Gopherus polyphemus Gopher Tortoise G3 S3 N LT Justicia cooleyi Cooley's Water-willow G2 S2 LE Leitneria floridana Corkwood G3 S3 N LT Litsea aestivalis Pondspice G3 S2 N LE Matelea floridana Florida Spiny-pod G2 S2 N LE Mustela frenata peninsulae Florida Long-tailed Weasel Myotis austroriparius Southeastern Bat Notophthalmus perstriatus Striped Newt G2G3 S2S3 N N Notophthalmus perstriatus Striped Newt G2G3 S2S3 N N Notophthalmus leibmannianus ssp. platylepis Podomys floridanus Florida Mouse G3 S3 N LS Pteroglossaspis ecristata Giant Orchid G2G3 S2 N LE Sciurus niger shermani Sherman's Fox Squirrel Spigelia loganioides Florida Scrub-jay Short-tailed Snake G3 S3 N LT Matrix Unit ID: 23515 Likely Aphelocoma coerulescens Florida Scrub-jay Eastern Indigo Snake G3 S3 LT LT LT Drymarchon couperi Eastern Indigo Snake G3 S3 LT LT LT Drymarchon couperi		Bachman's Sparrow	G3 -	
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Mustela frenata peninsulaeFlorida Long-tailed WeaselG5T3S3NNMyotis austroripariusSoutheastern BatG3G4S3NNNotophthalmus perstriatusStriped NewtG2G3S2S3NNPhyllanthus leibmannianus ssp. platylepisPinewood DaintiesG4T2S2NLEPodomys floridanusFlorida MouseG3S3NLSPteroglossaspis ecristataGiant OrchidG2G3S2NLTRana capitoGopher FrogG3S3NLSSciurus niger shermaniSherman's Fox SquirrelG5T3S3NLSSpigelia loganioidesPinkrootG2QS2NLEStilosoma extenuatumShort-tailed SnakeG3S3NLTMatrix Unit ID:23515LikelyAphelocoma coerulescensFlorida Scrub-jayG2S2LTLTDrymarchon couperiEastern Indigo SnakeG3S3LTLT		Pondspice	- G3	S2 N LE
Mustela frenata peninsulaeFlorida Long-tailed WeaselG5T3S3NNMyotis austroripariusSoutheastern BatG3G4S3NNNotophthalmus perstriatusStriped NewtG2G3S2S3NNPhyllanthus leibmannianus ssp. platylepisPinewood DaintiesG4T2S2NLEPodomys floridanusFlorida MouseG3S3NLSPteroglossaspis ecristataGiant OrchidG2G3S2NLTRana capitoGopher FrogG3S3NLSSciurus niger shermaniSherman's Fox SquirrelG5T3S3NLSSpigelia loganioidesPinkrootG2QS2NLEStilosoma extenuatumShort-tailed SnakeG3S3NLTMatrix Unit ID:23515LikelyAphelocoma coerulescensFlorida Scrub-jayG2S2LTLTDrymarchon couperiEastern Indigo SnakeG3S3LTLT	Matelea floridana		G2	S2 N LE
Myotis austroripariusSoutheastern BatG3G4S3NNNotophthalmus perstriatusStriped NewtG2G3S2S3NNPhyllanthus leibmannianus ssp. platylepisPinewood DaintiesG4T2S2NLEPodomys floridanusFlorida MouseG3S3NLSPteroglossaspis ecristataGiant OrchidG2G3S2NLTRana capitoGopher FrogG3S3NLSSciurus niger shermaniSherman's Fox SquirrelG5T3S3NLSSpigelia loganioidesPinkrootG2QS2NLEStilosoma extenuatumShort-tailed SnakeG3S3NLTMatrix Unit ID:23515LikelyAphelocoma coerulescensFlorida Scrub-jayG2S2LTLTDrymarchon couperiEastern Indigo SnakeG3S3LTLT			G5T3	S3 N N
Notophthalmus perstriatus Phyllanthus leibmannianus ssp. platylepis Pinewood Dainties G4T2 S2 N LE Podomys floridanus Florida Mouse G3 S3 N LS Pteroglossaspis ecristata Giant Orchid G2G3 S2 N LT Rana capito Gopher Frog G3 S3 N LS Sciurus niger shermani Sherman's Fox Squirrel Spigelia loganioides Pinkroot G2Q S2 N LE Stilosoma extenuatum Short-tailed Snake G3 S3 N LS Spigelia loganioides Pinkroot G2Q S2 N LE Stilosoma extenuatum Short-tailed Snake G3 S3 N LT Matrix Unit ID: 23515 Likely Aphelocoma coerulescens Plorida Scrub-jay Eastern Indigo Snake G3 S3 LT LT			G3G4	S3 N N
Phyllanthus leibmannianus ssp. platylepis Pinewood Dainties G4T2 S2 N LE Podomys floridanus Florida Mouse G3 S3 N LS Pteroglossaspis ecristata Giant Orchid G2G3 S2 N LT LT Rana capito Gopher Frog G3 S3 N LS Sciurus niger shermani Sherman's Fox Squirrel G5T3 S3 N LS Spigelia loganioides Pinkroot G2Q S2 N LE Stilosoma extenuatum Short-tailed Snake G3 S3 N LT LT Phymarchon couperi Eastern Indigo Snake G3 S3 LT LT LT Eastern Indigo Snake G3 S3 LT LT LT		Striped Newt	G2G3	S2S3 N N
Podomys floridanusFlorida MouseG3S3NLSPteroglossaspis ecristataGiant OrchidG2G3S2NLTRana capitoGopher FrogG3S3NLSSciurus niger shermaniSherman's Fox SquirrelG5T3S3NLSSpigelia loganioidesPinkrootG2QS2NLEStilosoma extenuatumShort-tailed SnakeG3S3NLTMatrix Unit ID: 23515LikelyAphelocoma coerulescens Drymarchon couperiFlorida Scrub-jay Eastern Indigo SnakeG2S2LTLT		s Pinewood Dainties	G4T2	
Rana capito Gopher Frog G3 S3 N LS Sciurus niger shermani Sherman's Fox Squirrel G5T3 S3 N LS Spigelia loganioides Pinkroot G2Q S2 N LE Stilosoma extenuatum Short-tailed Snake G3 S3 N LT Matrix Unit ID: 23515 Likely Aphelocoma coerulescens Florida Scrub-jay G2 S2 LT LT Drymarchon couperi Eastern Indigo Snake G3 S3 LT LT			G3	S3 N LS
Rana capito Sciurus niger shermani Sherman's Fox Squirrel Spigelia loganioides Pinkroot Stilosoma extenuatum Short-tailed Snake G3 S3 N LS Spigelia loganioides Pinkroot G2Q S2 N LE Stilosoma extenuatum Short-tailed Snake G3 S3 N LT Matrix Unit ID: 23515 Likely Aphelocoma coerulescens Drymarchon couperi Florida Scrub-jay Eastern Indigo Snake G3 S3 LT LT	Pteroglossaspis ecristata	Giant Orchid	G2G3	S2 N LT
Spigelia loganioides Pinkroot G2Q S2 N LE Stilosoma extenuatum Short-tailed Snake G3 S3 N LT Matrix Unit ID: 23515 Likely Aphelocoma coerulescens Florida Scrub-jay G2 S2 LT LT Drymarchon couperi Eastern Indigo Snake G3 S3 LT LT	Rana capito	Gopher Frog	G3	S3 N LS
Spigelia loganioides Pinkroot G2Q S2 N LE Stilosoma extenuatum Short-tailed Snake G3 S3 N LT Matrix Unit ID: 23515 Likely Aphelocoma coerulescens Florida Scrub-jay G2 S2 LT LT Drymarchon couperi Eastern Indigo Snake G3 S3 LT LT	Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	
Matrix Unit ID: 23515 Likely Aphelocoma coerulescens Florida Scrub-jay G2 S2 LT LT Drymarchon couperi Eastern Indigo Snake G3 S3 LT LT	Spigelia loganioides		G2Q	
Likely Aphelocoma coerulescens Florida Scrub-jay G2 S2 LT LT Drymarchon couperi Eastern Indigo Snake G3 S3 LT LT	Stilosoma extenuatum	Short-tailed Snake	G3	S3 N LT
Aphelocoma coerulescens Florida Scrub-jay G2 S2 LT LT Drymarchon couperi Eastern Indigo Snake G3 S3 LT LT	Matrix Unit ID: 23515			
Drymarchon couperi Eastern Indigo Śnake G3 S3 LT LT	Likely			
Drymarchon couperi Eastern Indigo Śnake G3 S3 LT LT	Aphelocoma coerulescens	Florida Scrub-jay	G2	S2 LT LT

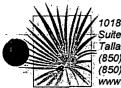
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Mesic flatwoods



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

Florida Natural Areas Inventory **Biodiversity Matrix Report**



Natural Areas	•	*		10	21 8
INVENTORY		Global	State	Federal	State
Scientific Name	Common Name	Rank	Rank	Status	Listing
Rana capito	Gopher Frog	G3	S3	N	LS
Potential			141		
Agrimonia incisa	Incised Groove-bur	G3	S2	N	LE
Asplenium heteroresiliens	Wagner's Spleenwort	GNA	S1	N	. N
Asplenium x curtissii	Curtiss' Spleenwort	GNA	S1.	N	N
Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	N	ĹÈ
Corynorhinus rafinesquii	Rafinesque's Big-eared Bat	G3G4	S2	N	N
Forestiera godfreyi	Godfrey's Swampprivet	G2	S2	N	ĹĚ
Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT
Justicia cooleyi	Cooley's Water-willow	G2	S2 -	ĹĔ	LE
	Florida Spiny-pod	G2 G2	S2 S2	K1	LE
Matelea floridana 👙 Monotropsis reynoldsiae		· G1Q	S1	N N	LE
	Pygmy Pipes Florida Lang tailed Wessel				N
Mustela frenata peninsulae	Florida Long-tailed Weasel	.G5T3	S3	N	
Myotis austroriparius	Southeastern Bat	G3G4	S3	Ñ	N
Nemastylis floridana	Celestial Lily	G2	S2	N	LE
Neovison vison halilimnetes	Gulf Salt Marsh Mink	G5T3	S3	N	N
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N	N
Podomys floridanus	Florida Mouse	G3 `	S3	N	LS
Pteroglossaspis ecristata	Giant Orchid	G2G3	S2	N	LT
Pycnanthemum floridanum	Florida Mountain-mint	G3	S3	N	LT
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	. S3	N :	LS
Spigelia loganioides	Pinkroot	G2Q	S2	, N .	LE
Stilosoma extenuatum	Short-tailed Snake	G3	S3	N	LT
			•		
Matrix Unit ID: 23516					,
Likely			••		ă.
e e e e e e e e e e e e e e e e e e e	e de la companya del companya de la companya del companya de la co		1.5		
Aphelocoma coerulescens	Florida Scrub-jay	G2	S2	LT	LT
Heterodon simus	Southern Hognose Snake	G2	S2.	N	N
Mesic flatwoods	-	. G4	S4	N	- N
Rana capito	Gopher Frog	. G3	S3	N	LS
		'F .		,,	•
Potential					
Agrimonia incisa	Incised Groove-bur	G3 -	S2	N	LE
Aimophila aestivalis	Bachman's Sparrow	G3	S3	Ñ	N
Asplenium heteroresiliens	Wagner's Spleenwort	GNA	S1	N	N
Asplenium x curtissii	Curtiss' Spleenwort	GNA	S1	Ň	N
Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	Ň	LE
Corynorhinus rafinesquii	Rafinesque's Big-eared Bat	G3G4	S2 ·	N	N
Digitaria floridana	Florida Crabgrass	G1	S1	N :	N
Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT
Forestiera godfreyi		G2	S2		LE
	Godfrey's Swampprivet			N	
Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT
Justicia cooleyi	Cooley's Water-willow	· G2	S2	LE	LE
Leitneria floridana	Corkwood	G3	S3	N	LT
Matelea floridana	Florida Spiny-pod	G2	S2	N	LE .
Monotropsis reynoldsiae	Pygmy Pipes	G1Q	S1	N ·	LE
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N	N
Myotis austroriparius	Southeastern Bat	G3G4	S3	N	N





Natural Areas				18	51 - 8
INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Nemastylis floridana Notophthalmus perstriatus Podomys floridanus Pycnanthemum floridanum Sciurus niger shermani Spigelia loganioides	Celestial Lily Striped Newt Florida Mouse Florida Mountain-mint Sherman's Fox Squirrel Pinkroot	G2 G2G3 G3 G3 G5T3 G2Q	S2 S2S3 S3 S3 S3 S3 S2	N N N N N N N	LE N LS LT LS LE
Stilosoma extenuatum	Short-tailed Snake	G3	S3	. N	LT
Matrix Unit ID: 23517					
Likely					
Aphelocoma coerulescens Drymarchon couperi Heterodon simus Mesic flatwoods Rana capito Sandhill Sandhill upland lake	Florida Scrub-jay Eastern Indigo Snake Southern Hognose Snake Gopher Frog	G2 G3 G2 G4 G3 G3	S2 S3 S2 S4 S3 S2 S2	LT LT N N N N	LT LT N N LS N N
Potential	and the second second second				
Agrimonia incisa Aimophila aestivalis Asplenium heteroresiliens Digitaria floridana Forestiera godfreyi Gopherus polyphemus Justicia cooleyi Leitneria floridana Matelea floridana Mustela frenata peninsulae Myotis austroriparius Nemastylis floridana Notophthalmus perstriatus Phyllanthus leibmannianus ssp. platylepis Podomys floridanus Sciurus niger shermani Spigelia loganioides Stilosoma extenuatum	Incised Groove-bur Bachman's Sparrow Wagner's Spleenwort Florida Crabgrass Godfrey's Swampprivet Gopher Tortoise Cooley's Water-willow Corkwood Florida Spiny-pod Florida Long-tailed Weasel Southeastern Bat Celestial Lily Striped Newt Pinewood Dainties Florida Mouse Sherman's Fox Squirrel Pinkroot Short-tailed Snake	G3 GNA G1 G2 G3 G2 G5T3 G3G4 G2 G2G3 G4T2 G3 G5T3 G2Q G3	\$2 \$3 \$1 \$1 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	
Matrix Unit ID: 23518 Documented			,		
	Couthocotorn American Vestral	CETA	63	K1	1 T
Falco sparverius paulus Gopherus polyphemus Podomys floridanus Rana capito Sciurus niger shermani	Southeastern American Kestrel Gopher Tortoise Florida Mouse Gopher Frog Sherman's Fox Squirrel	G5T4 G3 G3 G3 G5T3	S3 S3 S3 S3 S3	. Z Z Z Z	LT LT LS LS LS
Likely					
Aphelocoma coerulescens	Florida Scrub-jay	G2	S2	LT	LT

Definitions: Documented - Rare species and natural communities documented on or near this site.





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ural Areas ENTORY Global State Federal State Rank Rank Status Listing Scientific Name Common Name Heterodon simus Southern Hognose Snake G2 S2. Ν N Mesic flatwoods G4 **S4** Ν Ν Sandhill G3 S₂ Ν Ν Sandhill upland lake G3 S2. N Ν **Potential** Agrimonia incisa Incised Groove-bur **S2** G3 Ν LE Asplenium heteroresiliens Wagner's Spleenwort **S1** GNA N Ν Drymarchon couperi Eastern Indigo Snake G3 S3 LT LT Leitneria floridana Corkwood **S3** G3 Ν LT Litsea aestivalis Pondspice G3 S₂ Ν LE Florida Spiny-pod Matelea floridana G2. S₂ Ν LE Mustela frenata peninsulae Florida Long-tailed Weasel G5T3 **S3** N N Myotis austroriparius Southeastern Bat G3G4 S3 Ν Ν Nemastylis floridana Celestial Lily G2 S2 Ń LE Notophthalmus perstriatus Striped Newt G2G3 S2S3 Ń Ν Phyllanthus leibmannianus ssp. platylepis **Pinewood Dainties** G4T2 S2 Ν LE Pteroglossaspis ecristata Giant Orchid G2G3 S2 Ν LT Spigelia loganioides **Pinkroot** S2 LE G2Q Ν Stilosoma extenuatum Short-tailed Snake S3 Ν LT G3 ix Unit ID: 23765 Likely Aphelocoma coerulescens Florida Scrub-jay G2 S₂ LT LT Eastern Indigo Snake Drymarchon couperi G3 **S3** LT. LT **\$2** Heterodon simus Southern Hognose Snake G2 Ν Ν Mesic flatwoods G4 **S4** Ν Ν Sandhill upland lake G3 Ν Ν **Potential** Agrimonia incisa Incised Groove-bur G3 S₂ Ν LE Aimophila aestivalis Bachman's Sparrow G3 **S3** Ν Ν **GNA** Asplenium heteroresiliens Wagner's Spleenwort **S1** Ν Ν Asplenium x curtissii Curtiss' Spleenwort **GNA S1** N Ν Centrosema arenicola Sand Butterfly Pea G2Q S2 N LE Forestiera godfreyi Godfrey's Swampprivet S₂ LE G2 Ν Gopherus polyphemus Gopher Tortoise LT G3 **S3** N Justicia cooleyi Cooley's Water-willow G2 **S2** LE LE Matelea floridana Florida Spiny-pod G2 S2 N LE Monotropsis reynoldsiae Pygmy Pipes G₁Q **S1** N LE Mustela frenata peninsulae Florida Long-tailed Weasel G5T3 **S3** Ν Ν Southeastern Bat Myotis austroriparius **G3G4 S3** N Ν Nemastylis floridana S2 Celestial Lily G2 N LE Round-tailed Muskrat Neofiber alleni G3 **S3** Ν N Notophthalmus perstriatus Striped Newt G2G3 S2S3 N Ν Red-cockaded Woodpecker Picoides borealis G3 S2 LE LS Podomvs floridanus Florida Mouse G3 S3 Ν LS Pteroglossaspis ecristata Giant Orchid G2G3 S2 N LT

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

Florida Mountain-mint

Pycnanthemum floridanum





Natural Areas			•	10	31
INVENTORY		Global	State	Federal	
Scientific Name	Common Name	Rank	Rank	Status	Listing
Rana capito	Gopher Frog	G3	S3	N	LS
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS
Spigelia loganioides	Pinkroot	G2Q	S2	N	LE
Stilosoma extenuatum	Short-tailed Snake	G3	S3	N	LT
Matrix Unit ID: 23766					
Likely					
Aphelocoma coerulescens	Florida Scrub-jay	G2	S2	LT	LT.
Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT
Heterodon simus	Southern Hognose Snake	G2	S2	N	N
Mesic flatwoods	the stage of the stage of the stage of	G4	S4	Ν	N
Rana capito	Gopher Frog	G3	S3	N ·	ĹŠ
Sandhill	Copher rog	G3	S2	N	N
Potential					•
Agrimonia incisa	Incised Groove-bur	G3	S2	N	LE
		G3	S3	N	N
Aimophila aestivalis	Bachman's Sparrow				
Asplenium heteroresiliens	Wagner's Spleenwort	GNA	S1	N	N
Asplenium x curtissii	Curtiss' Spleenwort	GNA	S1	N	N
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	N	LS
Centrosema arenicola	Sand Butterfly Pea	G2Q	S2 ·	N	LE
Digitaria floridana	Florida Crabgrass	G1	S1	· N	N
Forestiera godfreyi	Godfrey's Swampprivet	G2	S2	N	LE
Gopherus polyphemus	Gopher Tortoise	G3	S3	Ν	LT
Justicia cooleyi	Cooley's Water-willow	G2	S2	LE	LE
Litsea aestivalis	Pondspice	G3	S2	N	ĹĒ
Matelea floridana	Florida Spiny-pod	G2	S2	N	LE
		G1Q	S1	N	LE
Monotropsis reynoldsiae	Pygmy Pipes				
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N	N
Myotis austroriparius	Southeastern Bat	G3G4	S3	N	N
Nemastylis floridana	Celestial Lily	· G2	S2	N	LE
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N	N
Podomys floridanus	Florida Mouse	G3	S3	N	LS
Pteroglossaspis ecristata	Giant Orchid	G2G3	- S2	N	LT
Pycnanthemum floridanum	Florida Mountain-mint	G3	S3	N	LT
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS
Spigelia loganioides	Pinkroot	G2Q	S2	N	LE
Matrix Unit ID: 23767	•	,		•	
					-
Likely					
Aphelocoma coerulescens	Florida Scrub-jay	G2	S2	LT	LT
Drymarchon couperi	Eastern Indigo Snake	G3	S3	, LT	LT
Heterodon simus	Southern Hognose Snake	G2	S2	N	N
Mesic flatwoods		G4	S 4	N	N
Rana capito	Gopher Frog	G3	S3	. N	LS
Sandhill		G3	S2	N	N
_					• •
Potential					

Definitions: Documented - Rare species and natural communities documented on or near this site.





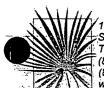
Natural Areas				1851
INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal State Status Listing
Agrimonia incisa	Incised Groove-bur	G3	S2	N LE
Aimophila aestivalis	Bachman's Sparrow	G3	S3 .	N N
Asplenium heteroresiliens	Wagner's Spleenwort	GNA	S1.	N N
Asplenium x curtissii	Curtiss' Spleenwort	GNA	S1	N N
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	N LS
Centrosema arenicola	Sand Butterfly Pea	G2Q	S2.	N LE
Digitaria floridana	Florida Crabgrass	G1 -	S1	N N
Gopherus polyphemus	Gopher Tortoise	G3	S3	N LT
Leitneria floridana	Corkwood	G3	S3	AL LT
Litsea aestivalis	Pondspice	G3	S2	N LE
Matelea floridana	Florida Spiny-pod	G2	S2	N LE
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N N
Myotis austroriparius	Southeastern Bat	G3G4	S3	N N
Nemastylis floridana	Celestial Lily	G3G4 G2	S2	N LE
		G2G3	S2S3	N N
Notophthalmus perstriatus	Striped Newt Florida Mouse	G2G3		
Podomys floridanus			S3	
Pycnanthemum floridanum	Florida Mountain-mint	G3	S3.	N LT
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N LS
Spigelia loganioides	Pinkroot	G2Q	S2	N LE
Matrix Unit ID: 23769	en e		• •	•
kely	·			
	Elorido Corub iou	C 2	CO	17 17
Aphelocoma coerulescens	Florida Scrub-jay	G2	S2	LT LT
Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT LT
Heterodon simus	Southern Hognose Snake	G2	S2	Ń N
Mesic flatwoods		·G4	S4	N N
Sandhill	A Company of the Comp	G3	S2	N N
Potential		F	11 -	
Agrimonia incisa	Incised Groove-bur	G3	S2	N LE
Aimophila aestivalis	Bachman's Sparrow	G3	S3	N N
Asplenium heteroresiliens	Wagner's Spleenwort	GNA ·	S1	N N
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3 -	N LS
Digitaria floridana	Florida Crabgrass	G1 .	S1	N N
Gopherus polyphemus	Gopher Tortoise	G3	S3	N LT
Leitneria floridana	Corkwood	G3	S3	N LT
Litsea aestivalis	Pondspice	G3	S2	N LE
Matelea floridana	Florida Spiny-pod	G2	S2	N LE
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N N
Myotis austroriparius	Southeastern Bat	G3G4	S3	N N
Nemastylis floridana	Celestial Lily	G2	S2	N LE
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N N
Phyllanthus leibmannianus ssp. platylepis		G4T2	S2	N LE
Pituophis melanoleucus mugitus	Florida Pine Snake	G4T3	S3	N LS
Podomys floridanus	Florida Mouse	G3	S3	N LS
Rana capito	Gopher Frog	G3	S3	N LS
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N LS
	Pinkroot			
Spigelia loganioides	Short-tailed Snake	G2Q	S2	N LE
Stilosoma extenuatum	SHUIT-lalled SHAKE	G3	S3	N LT

Definitions: Documented - Rare species and natural communities documented on or near this site.





Natural Areas			ř.	18	51 0
Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Matrix Unit ID: 24015					
Likely		•			
. Aphelocoma coerulescens	Florida Scrub-jay	G2	S2	LT	LT
Mesic flatwoods	· ionaa ooraa jay	G4	S4	Ň	N
Sandhill		G3	S2	N	Ν
Sandhill upland lake		. G3	S2	N	N
Potential					
Agrimonia incisa	Incised Groove-bur	G3	S2	N	LE
Aimophila aestivalis	Bachman's Sparrow	G3	S3	N ·	N
Asplenium heteroresiliens	Wagner's Spleenwort	GNA	S1	Ν	N
Asplenium x curtissii	Curtiss' Spleenwort	GNA	S1	N	N
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	N	LS
Centrosema arenicola	Sand Butterfly Pea	G2Q	· S2	· N	LE
Digitaria floridana	Florida Crabgrass	G1	· \$1	N	N
Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT
Forestiera godfreyi	Godfrey's Swampprivet	G2	S2	N .	LE
Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT
Heterodon simus	Southern Hognose Snake	G2	S2	N	N
Justicia cooleyi	Cooley's Water-willow	G2	S2	. LE	LE .
Matelea floridana	Florida Spiny-pod	G2	S2	N	LE
Monotropsis reynoldsiae	Pygmy Pipes	G1Q	S1	N	LE
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N	N
Myotis austroriparius	Southeastern Bat	G3G4	S3	N	Ν
Nemastylis floridana	Celestial Lily	G2	S2	N	LE
Neofiber alleni	Round-tailed Muskrat	G3 -	S3	N	N
Notophthalmus perstriatus	Striped Newt	- G2G3	S2S3	N	N
Picoides borealis	Red-cockaded Woodpecker	G3	S2	LE	LS
Podomys floridanus	Florida Mouse	G3	S3	N	LS
Pteroglossaspis ecristata	Giant Orchid	G2G3	S2	N	LT
Pycnanthemum floridanum	Florida Mountain-mint	G3	S3	Ñ	LT
Rana capito	Gopher Frog	G3 .	S3	N	LS
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS
Spigelia loganioides	Pinkroot	G2Q	S2	N	LE
Stilosoma extenuatum	Short-tailed Snake	G3	S3	N	LT
Matrix Unit ID: 24016					
Likely					
Aphelocoma coerulescens	Florida Scrub-jay	G2	S2	LT	LT
Drymarchon couperi	Eastern Indigo Snake	G2 G3	S3	LT	LT
Heterodon simus	Southern Hognose Snake	G3 G2	S2		N
Mesic flatwoods	Southern Hoghose Shake	G2 G4	52 S4	N N	N
Sandhill	·	G3	S2 ·	N	N
		G3	S2 ·	N	N
Sandhill upland lake			32	13	IN .
Potential	•				
Agrimonia incisa	Incised Groove-bur	G3	S2	Ν	LE
Aimophila aestivalis	Bachman's Sparrow	G3	S3	N	N



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Florida Natural Areas Inventory Biodiversity Matrix Report



	1851
_	Global State Federal Sta
Common Name	Rank Rank Status List
Wagner's Spleenwort	GNA S1 N N
Curtiss' Spleenwort	GNA S1 N N
Florida Burrowing Owl	G4T3 S3 N LS
Sand Butterfly Pea	G2Q S2 N LE
Florida Crabgrass	G1 S1 N N
Gopher Tortoise	G3 S3 N L
Pondspice	G3 S2 N LE
Florida Spiny-pod	G2 S2 N LI
Florida Long-tailed Weasel	G5T3 S3 N N
Southeastern Bat	G3G4 S3 N N
Celestial Lily	G2 S2 N LI
Round-tailed Muskrat	G3 S3 N N
Striped Newt	G2G3 S2S3 N N
Florida Pine Snake	G4T3 S3 N L9
Florida Mouse	G3 Ph. 15 S3 Ph. N E L9
Florida Mountain-mint	G3 S3 N L N L
Gopher Frog	G3 S3 N LS
	G5T3 S3 N L9
Pinkroot	G2Q S2 N LI
Short-tailed Snake	G3 S3 N L
and the state of t	
Florida Scrub-jay	G2 S2 LT L
Eastern Indigo Snake	G3 S3 LT L
	G2 S2 N N
	G3 S2 N N
	G3 S2 N LI
	G3 S3 4 N N
	GNA S1 N N
	G4T3 S3 N L
	G2G3 S2S3 N 🗵 LI
	G1 S1 N N
Gopher Tortoise	G3 S3 N N L
Florida Spiny-pod	G2 S2 N LI
	G5T3 S3 N N
	G3G4 S3 N N
	G2 S2 N LI
	G2G3 S2S3 N N
	G4T3 S3 N L
- · · · · · · · · · · · · · · · · · · ·	G3 S3 N L
	G3 S3 N L
Sherman's Fox Squirrel	G5T3 S3 N L5
	Curtiss' Spleenwort Florida Burrowing Owl Sand Butterfly Pea Florida Crabgrass Gopher Tortoise Pondspice Florida Spiny-pod Florida Long-tailed Weasel Southeastern Bat Celestial Lily Round-tailed Muskrat Striped Newt Florida Pine Snake Florida Mouse Florida Mountain-mint Gopher Frog Sherman's Fox Squirrel Pinkroot Short-tailed Snake Florida Scrub-jay Eastern Indigo Snake Southern Hognose Snake Incised Groove-bur Bachman's Sparrow Wagner's Spleenwort Florida Burrowing Owl Many-flowered Grass-pink Florida Crabgrass Gopher Tortoise Florida Spiny-pod Florida Long-tailed Weasel Southeastern Bat Celestial Lily Striped Newt Florida Pine Snake Florida Mouse Gopher Frog Sherman's Fox Squirrel

Matrix Unit ID: 24020

Spigelia loganioides

Definitions: Documented - Rare species and natural communities documented on or near this site.

Pinkroot

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.

G2Q

S2

· LE





Scientific Name	Common Name	Global Rank	State Rank	Federal Status	
Likely	,#** **********************************			n).	
Drymarchon couperi	Eastern Indigo Snake	. G3	S3	LT	LT
Potential					
	Leader of Conserve have	00			
Agrimonia incisa Aimophila aestivalis Asplenium heteroresiliens Athene cunicularia floridana Calopogon multiflorus Digitaria floridana Gopherus polyphemus Heterodon simus Matelea floridana Mustela frenata peninsulae Myotis austroriparius Nemastylis floridana Notophthalmus perstriatus Pituophis melanoleucus mugitus Podomys floridanus Rana capito Sciurus niger shermani Spigelia loganioides	Incised Groove-bur Bachman's Sparrow Wagner's Spleenwort Florida Burrowing Owl Many-flowered Grass-pink Florida Crabgrass Gopher Tortoise Southern Hognose Snake Florida Spiny-pod Florida Long-tailed Weasel Southeastern Bat Celestial Lily Striped Newt Florida Pine Snake Florida Mouse Gopher Frog Sherman's Fox Squirrel Pinkroot	G3 GNA G4T3 G2G3 G1 G3 G2 G5T3 G3G4 G2 G2G3 G4T3 G3 G5T3 G2Q	\$2 \$3 \$1 \$3 \$2\$3 \$1 \$3 \$2 \$2 \$3 \$3 \$2 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	22222222222	E N N S E N L N E N N S E N L S S S S S S E
latrix Unit ID: 24268 Likely			e.		,
Aphelocoma coerulescens Mesic flatwoods	Florida Scrub-jay	G2 G4	S2 S4	LT N	LT N
Potential			•		
Agrimonia incisa Aimophila aestivalis Asplenium heteroresiliens Athene cunicularia floridana Calopogon multiflorus Digitaria floridana Drymarchon couperi Gopherus polyphemus Heterodon simus Matelea floridana Mustela frenata peninsulae Myotis austroriparius Nemastylis floridana Neofiber alleni Notophthalmus perstriatus Picoides borealis Pituophis melanoleucus mugitus	Incised Groove-bur Bachman's Sparrow Wagner's Spleenwort Florida Burrowing Owl Many-flowered Grass-pink Florida Crabgrass Eastern Indigo Snake Gopher Tortoise Southern Hognose Snake Florida Spiny-pod Florida Long-tailed Weasel Southeastern Bat Celestial Lily Round-tailed Muskrat Striped Newt Red-cockaded Woodpecker Florida Pine Snake	G3 GNA G4T3 G2G3 G1 G3 G3 G2 G2 G5T3 G3G4 G2 G3 G2G3 G3G4	\$2 \$3 \$1 \$3 \$2 \$3 \$1 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$3 \$2 \$3 \$3 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	x x x z z z z z z z z E z	LE N N S LE N T T N LE N N LE N N S LS

Definitions: Documented - Rare species and natural communities documented on or near this site.



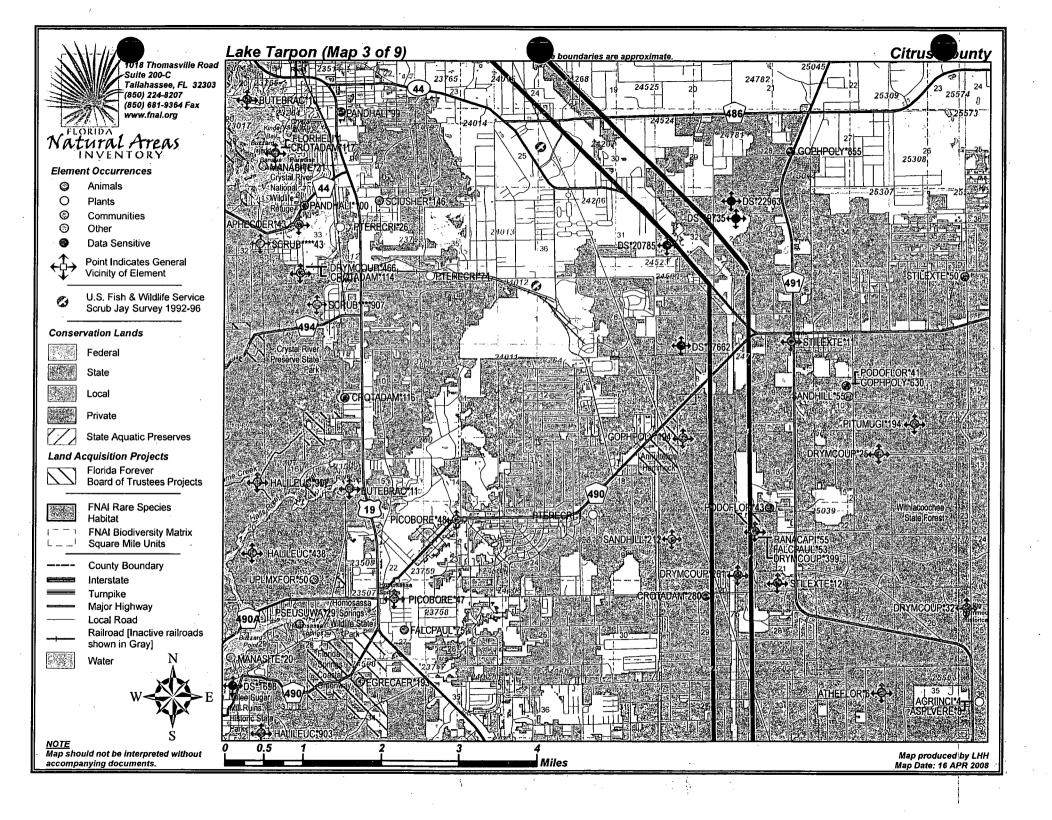


Natural Areas				1851
INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal State Status Listing
Rana capito	Gopher Frog	G3	S3	N LS
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N LS
Stilosoma extenuatum	Short-tailed Snake	G3	S3 .	N LT
	Office tailed offace	00	00 .	., -, -, -, -, -, -, -, -, -, -, -, -, -,
Matrix Unit ID: 24272				1984 P. 18 18 18
Likely				Secretaria de la companya della companya della companya de la companya della comp
Aphelocoma coerulescens	Florida Scrub-jay	G2	S2	LT LT
Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT LT
Heterodon simus	Southern Hognose Snake	G2	S2	N N
Sandhill		G3	S2	N N
Scrub		G2	S2	N N
		02	· · · ·	
Potential				en e
Agrimonia incisa	Incised Groove-bur	G3 🐰	S2	N LE
Aimophila aestivalis	Bachman's Sparrow	G3	⁶ S3	N N
Asplenium heteroresiliens	Wagner's Spleenwort	GNA	S 1	N N
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	N LS
Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3	N LE
Dicerandra comutissima	Longspurred Mint	G1	Š1	LE LE
Digitaria floridana	Florida Crabgrass	G1	S1	N N
Gopherus polyphemus	Gopher Tortoise	G3	. S3	N LT
Matelea floridana	Florida Spiny-pod	G2	S2	N LE
Monotropsis reynoldsiae	Pygmy Pipes	G1Q	S1	N LE
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N N
Myotis austroriparius	Southeastern Bat	G3G4	S3	N N
Nemastylis floridana	Celestial Lily	G2	S2	N LE
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N N
Pituophis melanoleucus mugitus	Florida Pine Snake	G4T3	S3	N LS
Podomys floridanus	Florida Mouse	G3	S3 [*]	N LS
Rana capito	Gopher Frog	G3	S3	N LS
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N LS
Spigelia loganioides	Pinkroot	G2Q	S2	N LE
		•		· i.
Matrix Unit ID: 24273			,	• • • • • • • • • • • • • • • • • • • •
Likely			•	
Drymarchon couperi	Eastern Indigo Snake	G3	C3	LT LT
Sandhill	Lasterr maigo Shake	G3	S2	LI LI
Scrub	24		0Z	N N
Scrub	$(\mathbf{r}_{i}, \mathbf{r}_{i}, r$	G2	S2	N N
Potential				
Agrimonia incisa	Incised Groove-bur	G3	S2	N LE
Aimophila aestivalis	Bachman's Sparrow	- G3	S3	N N
Aphelocoma coerulescens	Florida Scrub-jay	G2	S2	LT LT
Aprieiocoma coerdiescens Asplenium heteroresiliens				
	Wagner's Spleenwort	GNA	S1	N N
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	N LS
Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3	N LE
Dicerandra cornutissima	Longspurred Mint	G1	S1	LE LE
Digitaria floridana	Florida Crabgrass	G1	S1	N N





	Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing	₹ ,
	Gopherus polyphemus	Gopher Tortoise	G3	S3	N.	LT	
	Heterodon simus	Southern Hognose Snake	G2	S2	Ν	N	
	Matelea floridana	Florida Spiny-pod	G2	S2	N	LE	
	Monotropsis reynoldsiae	Pygmy Pipes	G1Q	\$1 x ₂	· N	LE	
	Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N	N	
	Myotis austroriparius	Southeastern Bat	G3G4	S3	. N	N	
	Nemastylis floridana	Celestial Lily	G2	S2 ¹	N	LE	
,	Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N	N	
	Pituophis melanoleucus mugitus	Florida Pine Snake	G4T3	S3	N	LS	
	Podomys floridanus	Florida Mouse	G3	S3	N	LS	
	Rana capito	Gopher Frog	G3	S3	Ν	LS	
	Sciurus niger shermani	Sherman's Fox Squirrel	• G5T3	S3	N	LS	
	Spigelia loganioides	Pinkroot	G2Q	S2	N	LE	







INVENT	TORY		Global	State	Federal	State	Observation	n 🧓 -	
Map Label	Scientific Name	Common Name	Rank	Rank	Status	Listing	Date	Description	EO Comments
PICOBORE*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	S 3	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	ĹE	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		y 1997-05-20: One active nest observed in slarge slash pine; 1996-03-19: one active nest observed (PNDMAI01).







INVEN	TORY		Global	State	Federal	State	Observatio	n	the control of the second
Map Label	Scientific Name	Common Name				Listing	Date	Description	EO Comments
PSEUSUWA*29	Pseudemys concinna suwanniensis	Suwannee Cooter	G5T3	S3	N	LS	1991	MUDDY, WATERS DARK. MAIN SPRING AND UPPERMOST RIVER FENCED OFF AS TOURIST ATTRACTIONS (WITH MANATEES). WIDTH OF UPPER	REPRESENTED 3% OF ALL TURTLES CAUGHT). MUSEUM SPECIMENS: UF/FLMNH 13554/1-3 (= CRENSHAW
	***		,			•	Ta	RIVER 75-120 M. SOME RESIDENTIAL DEVELOPMENT ON BOT	A second second
PODOFLOR*43	Podomys floridanus	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	Sciurus niger shermani	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	Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT	1993-09-19	AREA OF SANDHILL AND PASTURE.	JUVENILE OBSERVED CROSSING HIGHWAY.
EGRECAER*193	Egretta caerulea	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	Falco sparverius paulus	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	1995-06-12: two adults and one subadult observed (PNDMAI01).
		i i de la compania d La compania de la co	.**		t - ÷g	* * • * • • • • • • • • • • • • • • • •	e Service	cinnamon fern, wax myrtle, willow, shiny blackberry.	
MANASITE*21	Manatee aggregation site		GNR	SNR	N .	N ·	1988	SPRING-RUN STREAM.	UP TO 150+ MANATEES USE THIS AREA IN THE WINTER.





INVENT			Global	State	Federa	State	Observation	n	A STATE OF THE STA
Map Label	Scientific Name	Common Name	Rank	Rank	Status	Listing	Date	Description	EO Comments
PANDHALI*99	Pandion haliaelus	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	490A, to the east by housing in Homosassa Springs. North and west borders are swamps leading to the Hall's River. Homosassa	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).





INVENT	rory	2	Global	State	Federal	State	Observațio	n ,	
Map Label	Scientific Name	Common Name	Rank	Rank	Status	Listing	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	S 3	N	LT	1990-02	SANDHILL-LONGLEAF PINE, TURKEY OAK, WIREGRASS. SMALL MARSH ON SITE.	8 INDIVIDUALS (4 ADULTS AND 4 JUVENILES).
DRYMCOUP*32	Drymarchon couperi	Eastern Indigo Snake	G3	S 3	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 wes of 98-19-55.
DRYMCOUP*399	Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT .	1990-02	SANDHILL-LONFLEAF 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.
DRYMCOUP*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	YDS WIDE. DRAINS FROM S INTO CRYSTAL R.(CHANNEL CA 50' WIDE). SEVERAL LG	PRIMARILY ON ELODEA, SOME ON
	ŧ					ale solution and a so	70 - 70 - 70 - 70 - 70 - 70 - 70 - 70 -	SUBMERGED SPRINGS ON LAGOON PERIPHERY. FINE SAND BOTTOM, COVERED W/ VALLISNERIA.	VAL- LISNERIA, ONLY NEAR LARGE BOIL AT HEAD OF CHANNEL. NOTFOUND 1979-1984 DURING ROUTINE COLLECTIONS AT TYPE LOCALITY. POP. DEPRESSED APPARENTLY DU E T
CROTADAM*114	Crotalus adamanteus	Eastern Diamondback Rattlesnake	`G4	S3	N ·	* *N ;		Scrub with secondary growth.	1995-09-28: One AOR (ca. 2 ft.) (U95MAI04). 1994-09-26: One DOR (U94MEN01).





INVENT			Global	State	Federal	State	Observation	n :	
Map Label	Scientific Name	Common Name	Rank	Rank	Status	Listing	Date	Description	EO Comments
DRYMCOUP*466	Drymarchon couperi	Eastern Indigo Snake	G3	S 3	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.
DRYMCOUP*261	Drymarchon couperi	Eastern Indigo Snake	G3	S3	ŁT .	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		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 (U99MAl01).
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 ecristata	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 -		I 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







INVEN	ITORY		Global	State	Federa	I State C	bservatio	o n	İ
Map Label	Scientific Name	Common Name	Rank	Rank	Status	Listing	Date	Description	EO Comments
HALILEUC*438	Haliaeetus leucocephalus	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	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 1 young; 1993: Active, produced 0 young.
HALILEUC*903	Haliaeetus leucocephalus	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





Natural Areas				•	18	51./8
INVENTORY Scientific Name		Common Name	Global Rank	State Rank	Federal Status	
Matrix Unit ID: 23765	-	Total Control of the				
Likely	• • • • • •					
Aphelocoma coerulescens Drymarchon couperi Heterodon simus Mesic flatwoods Sandhill upland lake		Florida Scrub-jay Eastern Indigo Snake Southern Hognose Snake	G2 G3 G2 G4 G3	S2 S3 S2 S4 S2	LT LT N N	LT LT N N
Potential			,			
Agrimonia incisa Aimophila aestivalis Asplenium heteroresiliens Asplenium x curtissii Centrosema arenicola Forestiera godfreyi Gopherus polyphemus Justicia cooleyi Matelea floridana Monotropsis reynoldsiae Mustela frenata peninsulae Myotis austroriparius Nemastylis floridana Neofiber alleni Notophthalmus perstriatus Picoides borealis Podomys floridanus Pteroglossaspis ecristata Pycnanthemum floridanum Rana capito Sciurus niger shermani Spigelia loganioides Stilosoma extenuatum		Incised Groove-bur Bachman's Sparrow Wagner's Spleenwort Curtiss' Spleenwort Sand Butterfly Pea Godfrey's Swampprivet Gopher Tortoise Cooley's Water-willow Florida Spiny-pod Pygmy Pipes Florida Long-tailed Weasel Southeastern Bat Celestial Lily Round-tailed Muskrat Striped Newt Red-cockaded Woodpecker Florida Mouse Giant Orchid Florida Mountain-mint Gopher Frog Sherman's Fox Squirrel Pinkroot Short-tailed Snake	G3 G3 GNA GNA G2Q G2 G3 G2 G1Q G5T3 G3G4 G2 G3 G3 G3 G3 G3 G3 G3 G3 G3 G3 G3 G3 G3	\$2 \$3 \$1 \$1 \$2 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3		E N N N E ELT E E E N N N E E T E S E E T E S S E T T S S E T
Matrix Unit ID: 24015			*.		·	
Likely	**************************************					
Aphelocoma coerulescens Mesic flatwoods Sandhill Sandhill upland lake		Florida Scrub-jay	G2 G4 G3 G3	S2 S4 S2 S2	LT N N N	LT N N N
Potential						
Agrimonia incisa Aimophila aestivalis Asplenium heteroresiliens Asplenium x curtissii Athene cunicularia floridana Centrosema arenicola Digitaria floridana		Incised Groove-bur Bachman's Sparrow Wagner's Spleenwort Curtiss' Spleenwort Florida Burrowing Owl Sand Butterfly Pea Florida Crabgrass	G3 GNA GNA GNA G4T3 G2Q G1	S2 S3 S1 S1 S3 S2 S1	N N N N N	LE N N N LS LE N

Definitions: Documented - Rare species and natural communities documented on or near this site.



Biodiversity Matrix Report



Natural Areas		A STATE OF THE STA
INVENTORY Scientific Name	Common Nome	Global State Federal State Rank Rank Status Listin
e sale of the discountry of the distance specified the control of the sale of the control of the sale of the control of the co	Common Name	
Drymarchon couperi	Eastern Indigo Snake	G3 S3 LT LT
Forestiera godfreyi	Godfrey's Swampprivet	G2 S2 N LE
Gopherus polyphemus	Gopher Tortoise	G3 S3 N LT
Heterodon simus	Southern Hognose Snake	G2 S2 N N
Justicia cooleyi	Cooley's Water-willow	G2 S2 LE LE
Matelea floridana	Florida Spiny-pod	G2 S2 N LE
Monotropsis reynoldsiae	Pygmy Pipes	G1Q S1 N 1 LE
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3 S3 N 🦥 N
Myotis austroriparius	Southeastern Bat	G3G4 S3 N N
Nemastylis floridana	Celestial Lily	G2 S2 N LE
Neofiber alleni	Round-tailed Muskrat	G3 S3 N N
Notophthalmus perstriatus	Striped Newt	G2G3 S2S3 N N
Picoides borealis	Red-cockaded Woodpecker	G3 S2 D LE ADLS
Podomys floridanus	Florida Mouse	G3 (1994) S3 (N to 14) LS
Pteroglossaspis ecristata	Giant Orchid	G2G3 S2 N LT
Pycnanthemum floridanum	Florida Mountain-mint	G3 S3 N LT
Rana capito	Gopher Frog	G3 S3 N N LS
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3 S3 N LS
Spigelia loganioides	Pinkroot	G2Q S2 N LE
Stilosoma extenuatum	Short-tailed Snake	G3 S3 N LT
Cincolna chichadan	onore tailou onako	
rix Unit ID: 24267	r.	and the second s
	₩ ₁ s	and the second s
Likely		
Aphelocoma coerulescens	Florida Scrub-jay	G2 S2 LT LT
Mesic flatwoods	est to the property	G4 S4 N N
•	$(\nabla f + g^{2}) = (\nabla f + g^{2}) + (\nabla f + g^{2}$	$\mathcal{L}_{\mathcal{L}}}}}}}}}}$
Potential		Acres 18
Agrimonia incisa	Incised Groove-bur	G3 1 44 S2 14 N 1 44 LE
Athene cunicularia floridana	Florida Burrowing Owl	G4T3 S3 N LS
Digitaria floridana	Florida Crabgrass	G1 S1 N N
Drymarchon couperi	Eastern Indigo Snake	G3 S3 LT LT
Gopherus polyphemus	Gopher Tortoise	G3 S3 N LT
Heterodon simus	Southern Hognose Snake	G2 S2 N N
Matelea floridana	Florida Spiny-pod	G2 S2 N LE
Nemastylis floridana	Celestial Lily	G2 S2 N LE
Neofiber alleni	Round-tailed Muskrat	G3 S3 N N
Notophthalmus perstriatus	Striped Newt	G2G3 S2S3 N N
Picoides borealis	Red-cockaded Woodpecker	G3 S2 LE LS
Podomys floridanus	Florida Mouse	G3 S3 N LS
Pteroglossaspis ecristata	Giant Orchid	G2G3 S2 N LT
Rana capito	Gopher Frog	G3 S3 N LS
Sciurus niger shermani	Sherman's Fox Squirrel	
Stilosoma extenuatum	Short-tailed Snake	G5T3 S3 N LŞ G3 S3 N LT
	Onor tanda Onano	55 55 IV EI
Matrix Unit ID: 24268 Likely		
•		
Aphelocoma coerulescens	Florida Scrub-jay	G2 S2 LT LT
Mesic flatwoods		G4 S4 N N
•	· · · · · · · · · · · · · · · · · · ·	

Definitions: Documented - Rare species and natural communities documented on or near this site.





tural Areas Global State Federal State Rank Rank Status Listing Scientific Name Common Name **Potential** S2 Agrimonia incisa Incised Groove-bur .G3 LE **S3** Aimophila aestivalis Bachman's Sparrow G3 Ν N Asplenium heteroresiliens Wagner's Spleenwort **GNA S1** Ν N Athene cunicularia floridana Florida Burrowing Owl G4T3 **S3** Ν LS Calopogon multiflorus Many-flowered Grass-pink G2G3 S2S3 N LE Digitaria floridana Florida Crabgrass G1 S1 N Ν Drymarchon couperi Eastern Indigo Snake G3 S3 LT LT Gopherus polyphemus Gopher Tortoise G3 **S3** Ν LT Heterodon simus Southern Hognose Snake G2 S2 N Ν Matelea floridana Florida Spiny-pod G2 S2 N LE Ν Mustela frenata peninsulae Florida Long-tailed Weasel G5T3 S3 Ν **S3** Myotis austroriparius Southeastern Bat G3G4 N Ν Nemastylis floridana Celestial Lily G2 S2 Ν LE Neofiber alleni Round-tailed Muskrat G3 S3 Ν Ν Notophthalmus perstriatus Striped Newt G2G3 S2S3 Ν Ν Picoides borealis Red-cockaded Woodpecker G3 S2 LE LS **G4T3** S3 Ν LS Pituophis melanoleucus mugitus Florida Pine Snake G3-2 S3 Ν LS Podomys floridanus Florida Mouse' S2 Pteroglossaspis ecristata G2G3 Ν LT Giant Orchid Gopher Frog S3 Ν LS Rana capito G3 Sciurus niger shermani Sherman's Fox Squirrel G5T3 **S3** Ν LS Stilosoma extenuatum Short-tailed Snake G3 **S3** N LT Matrix Unit ID: 24523 Likely Drymarchon couperi G3 LT LT Eastern Indigo Snake **S3** Mesic flatwoods G4 **S4** Ν Ν G3 S₂ Ν Ν Sandhill Stilosoma extenuatum Short-tailed Snake G3 **S3** LT **Potential** Agrimonia incisa Incised Groove-bur G3 **S2** Ν LE Asplenium heteroresiliens Wagner's Spleenwort **GNA S1** Ν Ν Curtiss' Spleenwort **GNA S1** N. Asplenium x curtissii Ν Florida Burrowing Owl **G4T3** LS Athene cunicularia floridana S3 N G2Q LE Sand Butterfly Pea S2 Ν Centrosema arenicola Florida Crabgrass G1 **S1** Ν Ν Digitaria floridana Gopherus polyphemus **Gopher Tortoise** G3 **S**3 N LT G2 **S2** Heterodon simus Southern Hognose Snake N Ν G3 S2 LE Litsea aestivalis **Pondspice** Ν Florida Spiny-pod G2 **S2** LE Matelea floridana Ν G₁Q S1 LE Monotropsis reynoldsiae Pygmy Pipes Ν Myotis austroriparius G3G4 **S3** Ν Southeastern Bat Ν Nemastylis floridana G2 S₂ LE Celestial Lily N Neofiber alleni Round-tailed Muskrat G3 **S3** Ν Ν Nolina atopocarpa Florida Beargrass 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.

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.

G2G3

S2S3

Striped Newt

Notophthalmus perstriatus





Natural Areas				18	51
INVENTORY		Global	State	Federal	State
Scientific Name	Common Name	Rank	Rank	_ε Status	Listing
Picoides borealis	Red-cockaded Woodpecker	G3	S2	LE	LS
Podomys floridanus	Florida Mouse	G3	S 3	N	LS
Pteroglossaspis ecristata	Giant Orchid	G2G3	S2	Ň	ĹŤ
Rana capito	Gopher Frog	G3	S3	N	LS
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS
Spigelia loganioides	Pinkroot	G2Q	S2	Ñ	LE
Spiranthes polyantha	Green Ladies'-tresses	G4	S1S2	∴Ñ	LE
			· · · · · · ·		
Matrix Unit ID: 24524	magnetic and the second second		£		
Likely	Marie Ma Marie Marie Ma		.*		
Aphelocoma coerulescens	Florida Scrub-jay	G2	S2	., LT	LT
Mesic flatwoods		G4.	. S4	N	N
Sandhill		G3	S2	, N	N
Stilosoma extenuatum	Short-tailed Snake	G3	S3, `	N	LT
Potential	gradient de la gradie				
Agrimonia incisa	Incised Groove-bur	G3	S2	· N	LE
Aimophila aestivalis	Bachman's Sparrow	G3	S3	Ñ	N
Asplenium heteroresiliens	Wagner's Spleenwort	GNA	S1	N N	, N
Asplenium x curtissii	Curtiss' Spleenwort	GNA	S1	N	N
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	N .	ĹS
Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3	- N	LE
		G2G3 -	S1 -	N	N
Digitaria floridana	Florida Crabgrass,	G3	S3	LT	LT
Drymarchon couperi	Eastern Indigo Snake				
Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT,
Heterodon simus	Southern Hognose Snake	G2	, S2	N	N
Matelea floridana	Florida Spiny-pod	G2	S2	N	LE
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N.	N
Myotis austroriparius	Southeastern Bat	. G3G4	S3 .	N	N
Nemastylis floridana	Celestial Lily	G2	S2	N	LE
Neofiber alleni	Round-tailed Muskrat	G3	S3	N	N
Nolina atopocarpa	Florida Beargrass	G3	S3	N	LT
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N	N
Picoides borealis	Red-cockaded Woodpecker	G3	S2 ,	LE	LS
Podomys floridanus	Florida Mouse	G3 -	S3	N	LS
Pteroglossaspis ecristata	Giant Orchid	G2G3	S2	N	LT
Rana capito	Gopher Frog	G3	S3	N	LS
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS
Spigelia loganioides	Pinkroot	G2Q	S2 .	N	LE
Spiranthes polyantha	Green Ladies'-tresses	G4	S1S2	N	. LE
Matrix Unit ID: 24773	and the second of the second	:			et i jak
Likely					
Drymarchon couperi	Eastern Indigo Snake	G3	S3	LŤ	LT
Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Stilosoma extenuatum	Short-tailed Snake	G31213	S2S3 S3		LT
Suiosoma exteriuatum	Short-tailed Shake	GS	33	N	LI
Detential	4. *				

Potential

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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.





Natural Areas	•			300			
INVENTORY	7	Global	State	Federal	State		
Scientific Name	Common Name	Rank	Rank	Status	Listing		
Agrimonia incisa	Incised Groove-bur	G3	S2	. N	LE		
Asplenium x curtissii	Curtiss' Spleenwort	GNA	S1	N	N		
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	N	LS		
Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3	Ň	LE		
Centrosema arenicola	Sand Butterfly Pea	G2Q	\$2	N	ĹĒ		
		G1	S1	N	N		
Digitaria floridana	Florida Crabgrass						
Gopherus polyphemus	Gopher Tortoise	- G3	S3 .		LT		
Heterodon simus	Southern Hognose Snake	G2	S2	Ν.	N		
Matelea floridana	Florida Spiny-pod	G2	S2	N	LE		
Myotis austroriparius	Southeastern Bat	G3G4	S3	. N	N		
Nemastylis floridana	Celestial Lily	G2	S2	N	. LE		
Neofiber alleni	Round-tailed Muskrat	G3	S3	N	N		
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N	N		
Picoides borealis	Red-cockaded Woodpecker	G3	S2	LE	LS		
Podomys floridanus	Florida Mouse	G3	S3	N	LS		
Pteroglossaspis ecristata •	Giant Orchid	G2G3	S2	Ñ	ĹŤ		
Rana capito	Gopher Frog	G3	S3	N	LS		
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	. S3	N	LS		
				N	LE		
Spigelia loganioides	Pinkroot	G2Q	S2	iN	LE		
Matrix Unit ID: 24774	es el estado en el			•			
Likely							
· ·							
Drymarchon couperi	Eastern Indigo Snake	G3	S3 .	LT	LT		
Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3	S2S3	N	LT		
Stilosoma extenuatum	Short-tailed Snake	G3 (S3	N	LT		
Potential							
	and the second second			.:			
Agrimonia incisa	Incised Groove-bur	G3	S2	N	LE		
Aimophila aestivalis	Bachman's Sparrow	G3	S3	N	N		
Asplenium heteroresiliens	Wagner's Spleenwort	GNA	S1	N	N		
Asplenium x curtissii	Curtiss' Spleenwort	GNA	S 1.	N	N		
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	. N	LS		
Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3	· N	LE		
Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	N	LE		
Digitaria floridana	Florida Crabgrass	G1	S1	N	N		
Gopherus polyphemus	Gopher Tortoise	- G3	S3	N	ĹŤ		
Heterodon simus	Southern Hognose Snake	G2	\$2	N	N		
Matelea floridana	Florida Spiny-pod	G2	S2	N	LE		
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3 '	N	N		
Myotis austroriparius	Southeastern Bat	G3G4	S3	N	N		
Nemastylis floridana	Celestial Lily	G2	S2	N	LE		
Neofiber alleni	Round-tailed Muskrat	G3	S3	N	N		
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N	N		
Picoides borealis	Red-cockaded Woodpecker	G3	S2	LE	LS		
Podomys floridanus	Florida Mouse	G3	S3	N	LS		
Pteroglossaspis ecristata	Giant Orchid	G2G3	\$2	N	LT		
Rana capito	Gopher Frog	G3	S3	N	ĹS		
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS		
	Pinkroot	G2Q	S2	N	LE		
Spigelia loganioides	FIIRIUUL	GZQ	32	IN IN	L_		





INVENTORY Scientific Name	Common Name	Global Rank	State Federal State Rank Status Listing
Matrix Unit ID: 24775		. 52° 30° 1° 10° 10° 10° 10° 10° 10° 10° 10° 10	Outrook (14 An ± 40 Che (1 Che)(1 Che (1 Che (1 Che (1 Che (1 Che)(1 Che (1 Che)(1 Che (1 Che)(1 Ch
Documented			en e
Crotalus adamanteus	Eastern Diamondback Rattlesnake	G4	S3 N N
Likely		•	
Drymarchon couperi Falco sparverius paulus Grus canadensis pratensis Heterodon simus Rana capito Sandhill Stilosoma extenuatum	Eastern Indigo Snake Southeastern American Kestrel Florida Sandhill Crane Southern Hognose Snake Gopher Frog Short-tailed Snake	G3 G5T4 G5T2T3 G2 G3 G3 G3	S3 LT LT S3 N LT S2S3 N LT S2 N N S3 N LS S2 N N S3 N LT
Potential			
Agrimonia incisa Aimophila aestivalis Asplenium heteroresiliens Asplenium x curtissii Athene cunicularia floridana Calopogon multiflorus Centrosema arenicola Digitaria floridana Gopherus polyphemus Matelea floridana Mustela frenata peninsulae Myotis austroriparius Nemastylis floridana Neofiber alleni Notophthalmus perstriatus Picoides borealis Podomys floridanus Pteroglossaspis ecristata Sciurus niger shermani Spigelia loganioides	Incised Groove-bur Bachman's Sparrow Wagner's Spleenwort Curtiss' Spleenwort Florida Burrowing Owl Many-flowered Grass-pink Sand Butterfly Pea Florida Crabgrass Gopher Tortoise Florida Spiny-pod Florida Long-tailed Weasel Southeastern Bat Celestial Lily Round-tailed Muskrat Striped Newt Red-cockaded Woodpecker Florida Mouse Giant Orchid Sherman's Fox Squirrel Pinkroot	G3 G3 GNA GNA G4T3 G2G3 G2Q G1 G3 G2C3 G3 G2G3 G3 G2G3 G3 G2G3 G5T3 G2C3	S2 N LE S3 N N S1 N N S1 N N S3 N LS S2S3 N LE S2 N LE S1 N N S3 N LT S2 N LE S3 N N S2 N LE S3 N N S2S3 N N S2 LE LS S3 N LS S2 N LT S3 N LS S2 N LE
Matrix Unit ID: 24776	e de la companya de La companya de la co		
Likely			Section 1998
Drymarchon couperi Falco sparverius paulus Heterodon simus Podomys floridanus Rana capito Sandhill Stilosoma extenuatum	Eastern Indigo Snake Southeastern American Kestrel Southern Hognose Snake Florida Mouse Gopher Frog Short-tailed Snake	G3 G5T4 G2 G3 G3 G3 G3	S3 LT LT S3 N LT S2 N N S3 N LS S3 N LS S2 N N S3 N LT
Potential			
Agrimonia incisa Aimophila aestivalis	Incised Groove-bur Bachman's Sparrow	G3 G3	S2 N LE S3 N N





Natural Areas				0 18	51
Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Asplenium heteroresiliens	Wagner's Spleenwort	GNA	S1 ·	N	N
Asplenium verecundum	Modest Spleenwort	G1	S1	N	LE
Asplenium x curtissii	Curtiss' Spleenwort	GNA	S1	N	N
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	N	LS
Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3	N	LE
Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	N	LE
Digitaria floridana	Florida Crabgrass	G1	S1	N	N
Forestiera godfreyi	Godfrey's Swampprivet	G2 *	S2	Ń	LE
Gopherus polyphemus	Gopher Tortoise	. G3	S3	N	LT
Justicia cooleyi	Cooley's Water-willow	G2	S2	LE	LE
Matelea floridana	Florida Spiny-pod	G2	S2	N	LE
Monotropsis reynoldsiae	Pygmy Pipes	G1Q	S1	N	LE
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N	N
Myotis austroriparius	Southeastern Bat	G3G4	S3	Ñ	N
Nemastylis floridana	Celestial Lily	G2	S2	Ñ	ĹĒ
Neofiber alleni	Round-tailed Muskrat	G3	S3	N	N
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N	N
Picoides borealis	Red-cockaded Woodpecker	G3	S2	LE	ĹŠ
Pituophis melanoleucus mugitus	Florida Pine Snaké	G4T3	S3	N	LŞ
Pteroglossaspis ecristata	Giant Orchid	G2G3	S2-	N	LT
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS
Spigelia loganioides	Pinkroot	G2Q	S2	N	LE
Triphora craigheadii	Craighead's Nodding-caps	G1	S1 .	N	LE
Ursus americanus floridanus	Florida Black Bear	G5T2	S2	N	LT*
Matrix Unit ID: 24777					
Likely					
Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT
Falco sparverius paulus	Southeastern American Kestrel	G5T4	S3	· N	LT
Gopherus polyphemus	Gopher Tortoise	G3	S3 ⁻	· N	LT
Heterodon simus	Southern Hognose Snake	G2	S2	N	N
Rana capito	Gopher Frog	G3	S3	N	LS
Sandhill [*]	•	G3	S2	N	N
Stilosoma extenuatum	Short-tailed Snake	G3	S3	N	LT
Potential		·	•		
Agrimonia incisa	Incised Groove-bur	G3	-S2	- N	LE
Aimophila aestivalis	Bachman's Sparrow	G3	S3	, N	N
Asplenium heteroresiliens	Wagner's Spleenwort	GNA	· S1	N	N
Asplenium verecundum	Modest Spleenwort	G1	S1	N	LE
Asplenium x curtissii	Curtiss' Spleenwort	GNA	S1	Ν	N
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	- N	LS
Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3	N	LE
Centrosema arenicola	Sand Butterfly Pea	G2Q	S2 1	N	LE
Digitaria floridana	Florida Crabgrass	G1	S1	N	N
Forestiera godfreyi	Godfrey's Swampprivet	G2	S2	N	LE
Justicia cooleyi	Cooley's Water-willow	G2	S2	LE	LE
Matelea floridana	Florida Spiny-pod	G2	S2	N	LE
Monotropsis reynoldsiae	Pygmy Pipes	G1Q	S1	N	LE
' '	• • •				•

Definitions: Documented - Rare species and natural communities documented on or near this site.

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

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

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

Page 7 of 10





Nutrition State Mustela frenata peninsulae Florida Long-tailed Weasel G573 S3 N N N N N N N N N	Natural Areas			. 4	. 3	
Mustela freneta peninsulae Florida Long-tailed Weasel G5T3 S3 N N Myotis austroriparius Southeastern Bat G3C4 S3 N N Nemastylis floridana Celestial Lily G2 S2 N LE Neofiber alleni Round-tailed Muskrat G3 S3 N N Notophthalmus perstriatus Striped Newt G2G3 S2S3 N N Picroides borealis Red-cockaded Woodpecker G3 S2 LE LS Podomys floridanus Florida Moustel Gas G3 S3 N LS Pteroglossaspis coristate Glant Orchid G2C3 S2 N LT Pteroglosaspis coristate Glant Orchid G2C3 S2 N LT Sciurus niger shermani Sheman's Fox Squirrel G573 S3 N LS Spigleia loganioides Pinkroot G2 S2 N LE Terrestrial cave Florida Black Bear G3 S3 LT						
Myotis austroriparius Southeastern Bat G3G4 S3 N N Nemasylis floridana Celestial Lily G2 S2 N LE Netofiber alleni Round-failed Muskrat G3 S3 N N Notophthalmus perstriatus Striped Newt G2G3 S2 LE LS Podomys floridarus Florida Mouse G3 S2 LE LS Ploroglossaspis ecristata Giant Orchid G2G3 S2 N LT Pyoranthemum floridanum Florida Mountain-mint G3 S3 N LS Pyoranthemum floridanum Florida Mountain-mint G3 S3 N LT Spigelia loganioides Pinkroot G2C S2 N LE Treptarial cave Triphora creigheadi Craighead's Nodding-caps G1 S1 N LE Ursus americanus floridanus Florida Black Bear G3 S3 LT LT Matrix Unit ID: 24778 L L <t< th=""><th>Scientific Name</th><th>Common Name</th><th>Rank</th><th>Rank</th><th>Status</th><th>Listing</th></t<>	Scientific Name	Common Name	Rank	Rank	Status	Listing
Myotis austroriparius Southeastern Bat G3G4 S3 N N Nemastylis floridana Celestial Lily G2 S2 N LE Netofiber alleni Round-failed Muskrat G3 S3 N N Notophithalmus perstriatus Striped Newt G2G3 S2S3 N N Podomys floridanus Florida Mouse G3 S2 LE LS Pleroglossaspis ecristata Giant Orchid G2G3 S2 N LT Pyronanthemum floridanum Florida Mountain-mint G3 S3 N LS Pyronanthemum floridanum Florida Mountain-mint G3 S3 N LT Spigelia loganioides Pinkroot G2C0 S2 N LE Trestrial cave Triphora craigheadi Craighead's Nodding-caps G1 S1 N LE Ursus americanus floridanus Florida Black Bear G3 S3 LT LT Matrix Unit ID: 24T8 L L	Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	Ň	Ň
Nemastylis floridana Celestial Lily G2 S2 N LE Neofibber alleri Round-failed Muskrat G3 S3 N N Notophthalmus perstriatus Striped Newt G2G3 S2S3 N N Picroides borealis Red-cockaded Woodpecker G3 S2 LE LS Podomys floridanus Florida Mouse G3 S3 N LS Perporlossaspis ecristata Giant Orchid G2G3 S2 N LT Pycnanthemum floridanum Florida Mountain-mint G3 S3 N LT Sciurus niger shermani Sherman's Fox Squirrel G5T3 S3 N LS Spigelia loganioides Pinkrot G2G S2 N LE Triphora craigheadii Craighead's Nodding-caps G1 S1 N LE Ursus americanus floridanus Florida Black Bear G5T2 S2 N LT Matrix Unit ID: 24778 L L L L <td></td> <td></td> <td></td> <td></td> <td>N</td> <td>N</td>					N	N
Neofiber alleni Round-tailed Muskrat G3 S3 N N Notophthalmus perstriatus Red-cockaded Woodpecker G3 S2 LE LS Podomys floridanus Florida Mouse G3 S3 N LS Percoglossaspis ecristata Giant Orchid G2G3 S2 N LT Pycnanthemum floridanum Florida Mouse G3 S3 N LS Percoglossaspis ecristata Giant Orchid G2G3 S2 N LT Pycnanthemum floridanum Florida Moutain-mint G3 S3 N LS Percoglossaspis ecristata Giant Orchid G2G3 S2 N LT Pycnanthemum floridanum Florida Mountain-mint G3 S3 N LS Spigelia loganioides Pinkroot G2G S2 N LE Terestrial cave G3 S2 N N Triphora craigheadi Craighead's Nodding-caps G1 S1 N LE Ursus americanus floridanus Florida Black Bear G5T2 S2 N LT Matrix Unit ID: 24778 Likely Drymarchon couperi Eastern Indigo Snake G3 S3 N LT Helerodon simus Gopher Tortoise G3 S3 N LT Helerodon simus Southem Hognose Snake G2 S2 N N Salnohill G3 S2 N N Siliosoma extenuatum Short-tailed Snake G3 S2 N LE Alymophia aestivalis Bachman's Sparrow G3 S3 N LT Potential Agrimonia incisa Incised Groove-bur G1 S1 N N Asplenium heterorasiliens Wagner's Spleenwort G1 S1 N LE Alsplenium heterorasiliens Wagner's Spleenwort G1 S1 N N Asplenium a curtissi Curtiss' Spleenwort G1 S1 N N Althene curicularia floridana Florida Burrowing Owl G4T3 S1 N N Arbene curicularia floridana Florida Crabgrass G1 S1 N N Floridae Forestiera godfreyi Godfrey's Swampprivet G2 S2 N LE Matelea floridana Florida Gpiny-pod G2 S2 N LE Motela Blanchaman Florida Musteat G3 S3 N N Neofiber alleni Round-tailed Muskrat G3 S3 N N Neofiber alleni Round-tailed Muskrat G3 S3 N N Neofiber alleni Round-tailed Muskrat G3 S2 N LE Spigelia loganioi						
Notophthalmus perstriatus						
Picoides borealis Red-cockaded Woodpecker G3 S2 LE LS Podomys floridanus Florida Mouse G3 S3 N LS Pteroglossaspis ecristata Giant Orchid G2G3 S2 N LT Pycnanthemum floridanum Florida Mountain-mint G3 S2 N LT Solinus niger shemani Shemman's Fox Squirrel G5T3 S3 N LS Spigelia loganioides Pinkroot G2Q S2 N LE Terrestral cave G3 S2 N N Triphora craigheadii Craighead's Nodding-caps G1 S1 N LE Likely Drymarchon couperi Eastern Indigo Snake G3 S3 LT LT Gopher Tortoise G3 S3 N LT LT Matrix Unit LD: 2478 N N N N N N LT T T T T LT T T C						
Podomys floridanus						
Peteroglossaspis ecristata Giant Orchid G2G3 S2 N LT	Podomys floridanus					
Pycnanthemum floridanum	Pterodossasnis ecristata					
Sciurus niger shermani						
Spigelia loganioides Pinkroot G2Q S2						
Terrestrial cave						
Triphora craigheadii Ursus americanus floridanus Florida Black Bear G5T2 S2 N LT* Matrix Unit ID: 24778 Likely Drymarchon couperi Gopherus polyphemus Gopher Tortoise G3 S3 LT LT Heterodon simus Southern Hognose Snake G2 S2 N N Sandhill Sitiosoma extenuatum Short-tailed Snake G3 S2 N LT Potential Agrimonia incisa Asplenium heteroresiliens Asplenium verecundum Modest Spleenwort Asplenium verecundum Modest Spleenwort Asplenium verocundum Aghen Curtissii Curtiss' Spleenwort G1 S1 N LE Asplenium Ac curtissii Curtiss' Spleenwort G1 S1 N N N N Forestiera godfreyi Justicia cooleyi Matelea floridana Florida Burrowing Owl Matelea floridana Florida Carbayras G3 S2 N LE Bachman's Sparrow G3 S3 N N N N N N N N N N N N N N N N N N N		PILIKIOOL *				
Ursus americanus floridanus Florida Black Bear G5T2 S2 N LT* Matrix Unit ID: 24778 Likely Drymarchon couperi Eastern Indigo Snake G3 S3 LT LT Gopher Tortoise G3 S3 LT LT Heterodon simus Southern Hognose Snake G2 S2 N N Sandhill G3 S2 N N Potential Agrimonia incisa Incised Groove-bur G3 S2 N LE Aimophila aestivalis Bachman's Sparrow G3 S3 N LT Potential Asplenium heteroresiliens Wagner's Spleenwort GNA S1 N N Asplenium verecundum Modest Spleenwort GNA S1 N LE Asplenium verec		Cosinhandle Naddine sons				
Matrix Unit ID: 24778 Likely Drymarchon couperi Eastern Indigo Snake G3 S3 LT LT Gopherus polyphemus Gopher Tortoise G3 S3 N LT Heterodon simus Southern Hognose Snake G2 S2 N N Sandhill G3 S2 N N Stilosoma extenuatum Short-tailed Snake G3 S3 N LT Potential Agrimonia incisa Incised Groove-bur G3 S2 N LE Aimophila aestivalis Bachman's Sparrow G3 S3 N LT Asplenium heteroresiliens Wagner's Spleenwort GNA S1 N N Asplenium verecundum Modest Spleenwort GNA S1 N N Asplenium verecundum Modest Spleenwort GNA S1 N N Asplenium verecundum Modest Spleenwort GNA S1 N N Agricularia Bridana <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
Drymarchon couperi	Ursus americanus ilonuarius	Florida Black Bear	G512	52	, sin en	LI
Drymarchon couperi		10 miles (10 miles 10		2.54		te d
Drymarchon couperi Eastern Indigo Snake G3 S3 LT LT Gopherus polyphemus Gopher Tortoise G3 S3 N LT Heterodon simus Southern Hognose Snake G2 S2 N N Sandhill G3 S2 N N N Stilosoma extenuatum Short-tailed Snake G3 S3 N LT Potential Agrimonia incisa Incised Groove-bur G3 S2 N LE Aimophilia aestivalis Bachman's Sparrow G3 S3 N N Asplenium heteroresiliens Wagner's Spleenwort GNA S1 N N Asplenium verecundum Modest Spleenwort G1 S1 N LE Asplenium verecundum Modest Spleenwort GNA S1 N N Athene cunicularia floridana Florida Burrowing Owl G473 S3 N LS Centrosema arenicola Sand Butterfly Pea G2Q	Matrix Unit ID: 24/78	4. 你一种有一个好人。				
Drymarchon couperi Eastern Indigo Snake G3 S3 LT LT Gopherus polyphemus Gopher Tortoise G3 S3 N LT Heterodon simus Southern Hognose Snake G2 S2 N N Sandhill G3 S2 N N N Stilosoma extenuatum Short-tailed Snake G3 S3 N LT Potential Agrimonia incisa Incised Groove-bur G3 S2 N LE Aimophilia aestivalis Bachman's Sparrow G3 S3 N N Asplenium heteroresiliens Wagner's Spleenwort GNA S1 N N Asplenium verecundum Modest Spleenwort G1 S1 N LE Asplenium verecundum Modest Spleenwort GNA S1 N N Athene cunicularia floridana Florida Burrowing Owl G473 S3 N LS Centrosema arenicola Sand Butterfly Pea G2Q	Likely	Set of the		• ,	,	`.
Gopherus polyphemus					1 <u>1 4</u> 7	`. <u> </u>
Heterodon simus Sandhill G3 S2 N N N Stilosoma extenuatum Short-tailed Snake G3 S2 N N N Stilosoma extenuatum Short-tailed Snake G3 S2 N N N Stilosoma extenuatum Short-tailed Snake G3 S2 N LT Potential Agrimonia incisa Incised Groove-bur G3 S2 N LE Alimophila aestivalis Bachman's Sparrow G3 S3 N N N Asplenium heteroresiliens Wagner's Spleenwort GNA S1 N N Asplenium verecundum Modest Spleenwort GNA S1 N N Asplenium verecundum Modest Spleenwort GNA S1 N N Athene cunicularia floridana Florida Burrowing Owl G4T3 S3 N LS Centrosema arenicola Sand Butterfly Pea G2Q S2 N LE Digitaria floridana Florida Crabgrass G1 S1 N N N Forestiera godfreyi Godfrey's Swampprivet G2 S2 N LE Justicia cooleyi Godfrey's Swampprivet G2 S2 LE LE Matelea floridana Florida Spiny-pod G2 S2 LE LE Monotropsis reynoldsiae Pygmy Pipes G1Q S1 N LE Myotis austroriparius Southeastern Bat G3G4 S3 N N N N Neofiber alleni Round-tailed Muskrat G3 S3 N N N N Neofiber alleni Red-cockaded Woodpecker G3 S2 LE LS Podomys floridanus Florida Mouse G3 S3 N LS Picoides borealis Red-cockaded Woodpecker G3 S2 LE LS Podomys floridanum Florida Mouse G3 S3 N LS Rena capito Gopher Frog G3 S3 N LS Spigelia loganioides Pinkroot G3 S2 N LE Finkroot G3 S2 N LE Finkr						
Sandhill Stilosoma extenuatum Short-tailed Snake G3 S2 N LT Potential Agrimonia incisa Agrimonia incisa Asplenium heteroresiliens Asplenium heteroresiliens Asplenium verecundum Asplenium verecundum Asplenium x curtissii Curtiss' Spleenwort Asplenium x curtissii N N N N N N N N N N N N N N N N N N N		Gopher Tortoise				
Stilosoma extenuatumShort-tailed SnakeG3S3NLTPotentialAgrimonia incisa Aimophila aestivalis Asplenium heteroresiliens Asplenium verecundum Modest Spleenwort Asplenium verecundum Asplenium x curtissii Asplenium x curtissii Curtiss' Spleenwort Asplenium x curtissii Curtiss' Spleenwort Athene cunicularia floridana Centrosema arenicola Sand Butterfly Pea Digitaria floridana Florida Crabgrass Forestiera godfreyi Matelea floridana Florida Spiny-pod Modest Spleenwort Cooley's Water-willow Florida Spiny-pod G2 Monotropsis reynoldsiae Pygmy Pipes Neofiber alleni Notophthalmus perstriatus Pricoides borealis Prodomys floridanum Prodomys floridanum Prodomys floridanum Prodomys floridanum Prodomys floridanum Prodomys floridanum Prodomys floridanum Prodomys floridanum Prodomys floridanum Prodomys floridanum Florida Mountain-mint Florida Mountain-mint Florida Spiny-pod G3 C3 C4 C5 C5 C5 C6 C6 C6 C6 C7 C6 C7<		Southern Hognose Snake				
Potential Agrimonia incisa Incised Groove-bur G3 S2 N LE Aimophila aestivalis Bachman's Sparrow G3 S3 N N Asplenium heteroresiliens Wagner's Spleenwort GNA S1 N N Asplenium verecundum Modest Spleenwort G1 S1 N LE Asplenium x curtissii Curtiss' Spleenwort GNA S1 N N N N N N N N N N N N N N N N N N		e e				
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Spigelia loganioides Pinkroot G2Q S2 N LE Terrestrial cave • G3 S2 N N					N	
Spigelia loganioides Pinkroot G2Q S2 N LE Terrestrial cave • G3 S2 N N	Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3 .	N	
Terrestrial cave • G3 S2 N N	Spigelia loganioides					LE
	Terrestrial cave					
		Craighead's Nodding-caps	G1	S 1	N	LE '

rix Unit ID: 24779

Definitions: Documented - Rare species and natural communities documented on or near this site.





NATALITY INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Likely			,	· · · · · · -	
Drymarchon couperi Heterodon simus Mesic flatwoods Sandhill Stilosoma extenuatum	Eastern Indigo Snake Southern Hognose Snake Short-tailed Snake	G3 G2 G4 G3 G3	S3 S2 S4 S2 S3	LT N N N N	LT N N N LT
Potential	+ * - A				
Agrimonia incisa Aimophila aestivalis Asplenium heteroresiliens Asplenium verecundum Asplenium x curtissii Athene cunicularia floridana Centrosema arenicola Digitaria floridana Forestiera godfreyi Gopherus polyphemus Justicia cooleyi Litsea aestivalis Matelea floridana Monotropsis reynoldsiae Myotis austroriparius Nemastylis floridana Neofiber alleni Notophthalmus perstriatus Picoides borealis Podomys floridanus Pteroglossaspis ecristata Pycnanthemum floridanum Rana capito Sciurus niger shermani Spigelia loganioides Spiranthes polyantha Terrestrial cave Triphora craigheadii	Incised Groove-bur Bachman's Sparrow Wagner's Spleenwort Modest Spleenwort Curtiss' Spleenwort Florida Burrowing Owl Sand Butterfly Pea Florida Crabgrass Godfrey's Swampprivet Gopher Tortoise Cooley's Water-willow Pondspice Florida Spiny-pod Pygmy Pipes Southeastern Bat Celestial Lily Round-tailed Muskrat Striped Newt Red-cockaded Woodpecker Florida Mouse Giant Orchid Florida Mountain-mint Gopher Frog Sherman's Fox Squirrel Pinkroot Green Ladies'-tresses Craighead's Nodding-caps	G3 G3 GNA G1 GNA G4T3 G2Q G1 G2 G3 G2 G3 G2 G3 G3 G3 G3 G3 G3 G4 G3 G4 G3 G4 G3 G1	\$2 \$3 \$1 \$1 \$3 \$2 \$1 \$2 \$3 \$2 \$2 \$3 \$2 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	zzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzz	E N N E N S E N E L E L E L E L E N N E N S E N E L E L E L E L E N S E L E L E L E L E L E L E L E L E L E
Matrix Unit ID: 24780					
Documented-Historic					
Cheilanthes microphylla Terrestrial cave	Southern Lip Fern	G5 G3	S3 S2	N N	LE N
Likely					
Drymarchon couperi Mesic flatwoods Stilosoma extenuatum	Eastern Indigo Snake Short-tailed Snake	G3 G4 G3	S3 S4 S3	LT N N	LT N LT
Potential	onor and onate			1 4	

Definitions: Documented - Rare species and natural communities documented on or near this site.

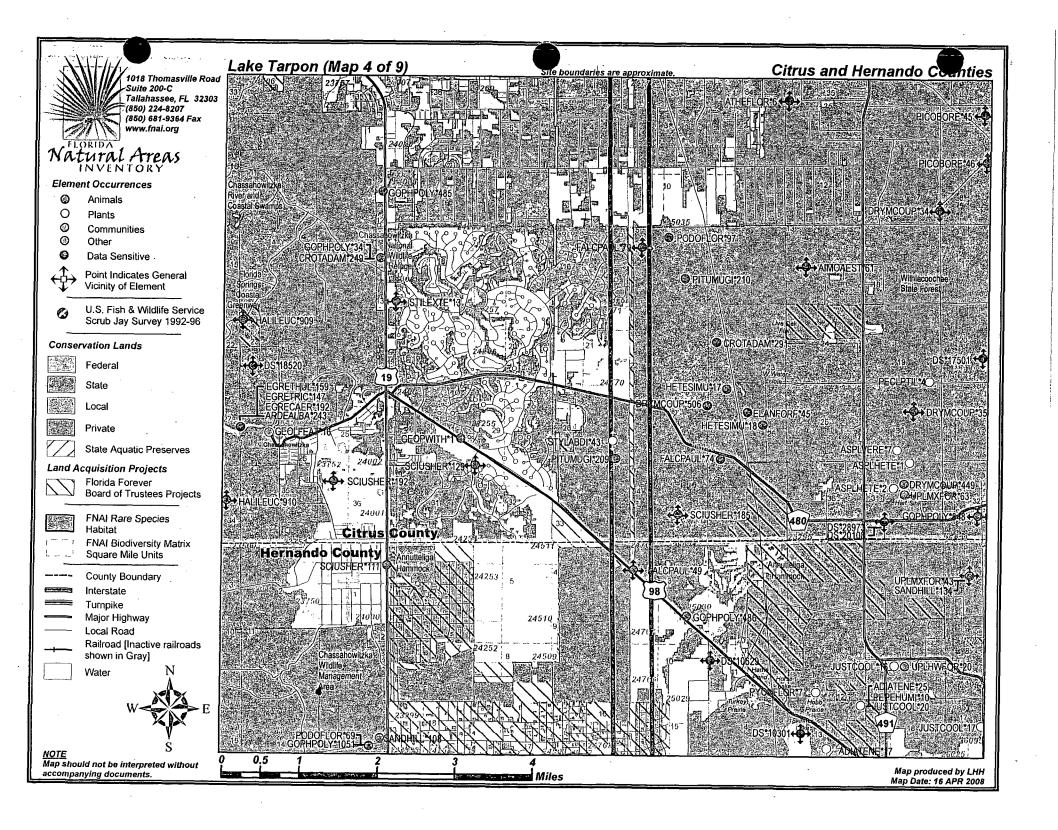




NATUTAL FITEWS INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Agrimonia incisa	Incised Groove-bur	G3	S2	N	LE
Asplenium heteroresiliens	Wagner's Spleenwort	GNA	S1	N	· N
Asplenium verecundum	Modest Spleenwort	G1	S1	N	LE
Asplenium x curtissii	Curtiss' Spleenwort	GNA	S1	N.	N
Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	N	LE
Digitaria floridana	Florida Crabgrass	G1	S1	Ň	N
Forestiera godfreyi	Godfrey's Swampprivet	G2	, S2	Ň	LE
	Gopher Tortoise	G3	S3	N	LT
Gopherus polyphemus	Southern Hognose Snake	G2	S2	Ň	N .
Heterodon simus	Cooley's Water-willow	. G2	S2	LE	ĹĒ
Justicia cooleyi	Pondspice	G3	S2	N	· LE
Litsea aestivalis	Florida Spiny-pod	G2	S2	N	LE
Matelea floridana		G1Q	S1	N,	LE
Monotropsis reynoldsiae	Pygmy Pipes	G3G4	S3	N	N
Myotis austroriparius	Southeastern Bat	G2 .	S2	N	LE
Nemastylis floridana	Celestial Lily			N	N N
Neofiber alleni	Round-tailed Muskrat	G3 "	S3.		LT
Nolina atopocarpa	Florida Beargrass	G3	S3	N	
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N	N
Picoides borealis	Red-cockaded Woodpecker	G3	S2	LE	LS
Podomys floridanus	Florida Mouse	G3	S3	N	LS
Pteroglossaspis ecristata	Giant Orchid	G2G3	S2	N	LT
Pycnanthemum floridanum	Florida Mountain-mint	G3	S3	N	LT
Rana capito	Gopher Frog	G3	S3	N	LS
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS
Spigelia loganioides	Pinkroot	G2Q	S2	N	LE
Spiranthes polyantha	Green Ladies'-tresses	G4	S1S2	N	LE



Definitions: Documented - Rare species and natural communities documented on or near this site.









SCIUSHER*129 Sciurus niger shermani Sherman's Fox Squirrel G5T3 S3 N LS 1989-05-04 SandhilfUpland Pine Forest; pine plantation D5*18520 Data Sensitive Element Data Sensitive G2 S2 N N 1980-0-29 Wooded pasture with mixed broadleafs. Winged elm occurs along fence line. JUSTCOOL*17 Justicia cooleyi Cooley's Water-willow G2 S2 LE LE 1992-08-29 Wooded pasture with mixed broadleafs. Winged elm occurs along fence line. JUSTCOOL*16 Justicia cooleyi Cooley's Water-willow G2 S2 LE LE 1992-08-29 Ox. sweetgum, and hickory; winged elm in understory; low grasses and herbs including several mints, hawkweed, beggar-licks and spleemout. Rich, rocky soils. UPLHWFOR*20 Upland hardwood forest G5 S3 N N 2004 ROCKY HARDWOOD HAMMOCK 2004: Update to last obs date was broadleafs. Winged elm occurs along fence line. UPLHWFOR*20 Upland hardwood forest G5 S3 N N N 2004 ROCKY HARDWOOD HAMMOCK 2004: Update to last obs date was broadleafs. Winged elm occurs and the properties of aerial photograph (LW SANDY LOAMCLAY OVER LIMESTONE, 0-1' LITTER MANY (previous value was 1982-12-28) (LOW BOULDERS ONE SINK-FOLE-LIKE DEPRESSION). SURVINGIO BIOS WOODS, PASTURE GROVES. PASTURE GROVES. SANDHILL*108 Sandhill G3 S2 N N 1997-03-12 open longleaf pine sandhill community (Pinus palastris) with understory of wiregrass Afristical and pineywoods dropseed (Sportobolus Junceus). Area had been broad 2 well before. Other herbs and substrubs identified were Postade canescent and pineywoods dropseed (Sportobolus Junceus). Area had been broad 2 well before. Other herbs and substrubs identified were Postade canescent and the properties of the properties	INVENT	ORY Scientific Name	Common Name					Observation Date	n Description	EO Comments
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 broadleafs. Winged elim occurs along fence line. JUSTCOOL*16 Justicia cooleyi Cooley's Water-willow G2 S2 LE LE 1992-08-20 Ass, sweetgum, and hickory; winged elim in understory; low grasses and herbis including several mints, hawkweed, beggar-licks and spleenwork. Rich, rocky soils. UPLHWFOR*20 Upland hardwood forest G5 S3 N N 2004 ROCKY HARDWOOD HAMMOCK 2004: Update to last obsidate was by SANDY LOAMCLAY OVER LIMESTONE, O-IT UTITEM MANY previous value was 1992-192-29 (JUSFNA02FLUS), LIVE SINKHOLE-LIKE DEPRESSION, SURROUNDINGS WOODS, PASTURE, GROVES. SANDHILL*108 Sandhill G6 S3 S2 N N 1997-03-12 open longleaf pine sandhill community previous value was 1992-192-192 (Pinus palustris) with understory of DCNLY SITE-EX SANDHILL*108 Geological feature GNR SNR N N 1997-03-12 Open longleaf pine sandhill community plants in the plant of the pla	Map Laver	Scientific Name	Oommon Hame	Mann	, tann	Otatas	Libing	Date	Description	20 dominients
JUSTCOOL*17 Justicia cooleyi Cooley's Water-willow G2 S2 LE LE 1992-08-29 Wooded pasture with mixed broadleafs. Winged elem occurs along fence line. 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-licks and spleemont. Rich, rocky soils. UPLHWFOR*20 Upland hardwood forest G5 S3 N N 2004 ROCKY HARDWOOD HAMMOCK 2004: Update to last obs date was been considered in the properties of aerial photograp (upstable) and the properties of aerial photograp (SCIUSHER*129	Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	· N	LS	1989-05-04		1989-05-04: D.E. Runde, GFC, observed 1 adult.
broadleafs. Winged elm occurs along fence line. 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-licks and spleenwort. Rich, rocky soils. UPLHWFOR*20 Upland hardwood forest G5 S3 N N 2004 ROCKY HARDWOOD HAMMOCK 2004: Update to last obs date was beginned to the control of the cont	DS*18520	Data Sensitive Element	Data Sensitive	G2	S2	. N	N	1980->	Data Sensitive	Data Sensitive
winged elm in understory; low grasses and herbs including several mints, hawkweed, beggar-licks and spleemwort. Rich, rocky soils. UPLHWFOR*20 Upland hardwood forest G5 S3 N N N 2004 ROCKY HARDWOOD HAMMOCK 2004: Update to last obs date was be W/ SANDY LOAM/CLAY OVER On interpretation of aerial photograph LIMESTONE, 0-1" LITTER, MANY previous value was 1982-12-29) LOW BOULDERS. ONE SINKHOLE-LIKE DEPRESSION. SURROUNDINGS WOODS, PASTURE, GROVES. PASTURE, GROVES. SANDHILL*108 Sandhill G3 S2 N N 1997-03-12 open longleaf pine sandhill community. GEOLFEAT*16 Geological feature GNR SNR N N 1979 SERIES OF LARGE SPRINGS OF THE LARGER SPRING SPRING SPRING SPRING SPRING SINFLAT. HE SPRING IS SPRING RUNS. GEOLFEAT*16 GEOLOGIcal feature GNR SNR N N 1979 SERIES OF LARGE SPRINGS SPRING SINFLAT. HE SPRING IS SPRING RUNS. Wingset elm functors in the beggar-licks and spleenwort. Rich, rocky soils. Wingset elm functors in the present of long to last obs date was before and interpretation of aerial photograph Lick Bernets (UoSFNA02FLUS). LIVE On interpretation of aerial photograph Live Sinkhote Live Elements (UoSFNA02FLUS). LIVE ON Interpretation of aerial photograph Live Sinkhote Live Elements (UoSFNA02FLUS). LIVE ON Interpretation of aerial photograph Live Sinkhote Live Elements (UoSFNA02FLUS). LIVE ON Interpretation of aerial photograph Live Sinkhote Live Elements (UoSFNA02FLUS). LIVE ON Interpretation of aerial photograph Live Sinkhote Live Elements (UoSFNA02FLUS). LIVE ON Interpretation of aerial photograph Live Elements (UoSFNA02FLUS). LIVE ON Interpretation of aerial photograph Live Elements (UoSFNA02FLUS). LIVE ON Interpretation of aerial photograph Live Elements (UoSFNA02FLUS). LIVE ON Interpretation of aerial photograph Live Elements (UoSFNA02FLUS). LIVE ON Interpretation of aerial photograph Live Elements (UoSFNA02FLUS). LIVE ON Interpretation of aerial photograph Live Elements (UoSFNA02FLUS). LIVE ON Interpretation of aerial photograph Live Elements (UoSFNA02FLUS). LIVE ON Interpretation of aerial photograph Live	JUSTCOOL*17	Justicia cooleyi	Cooley's Water-willow	G2	S2	LE	LE	1992-08-29	broadleafs. Winged elm occurs	20-30 flowering and fruiting plants.
W SANDY LOAWCLAY OVER on interpretation of aerial photograph LIMESTONE. 0-1" LITTER. MANY (previous value was 1982-12-28) (U05FNA02FLUS). LIVE OVER CONTROL CO	JUSTCOOL*16	Justicia cooleyi	Cooley's Water-willow	G2	S2 :	LE	LE .	1992-08-29	winged elm in understory; low grasses and herbs including several mints, hawkweed, beggar-ticks and spleenwort. Rich,	200-300 flowering and fruiting individuals.
Community	UPLHWFOR*20	Upland hardwood forest		G5	S3	N	N	2004	W/ SANDY LOAM/CLAY OVER LIMESTONE. 0-1" LITTER. MANY LOW BOULDERS. ONE SINKHOLE-LIKE DEPRESSION. SURROUNDINGS WOODS,	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
JOINED BY BRANCHING GROUPS IN FLA. THE SPRING IS SPRING RUNS. ACTUALLY CLUSTERS OF PIPE SPRINGS LOCATED AT THE EAST EDGE OF GULF COASTAL SWAM HUGH CYPRESS ADORN THE BA	SANDHILL*108	Sandhill		G3	S2	N .	N	1997-03-12		wiregrass (Aristida stricta) and pineywoods dropseed (Sporobolus junceus). Area had been burned 2 weeks
AND THE SURROUNDING AREA I	GEOLFEAT*16	Geological feature		GNR	SNR	N	N	1979	JOINED BY BRANCHING.	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





INVENT	ORY		Global	State	Federal	State	Observatio	n	
Map Label	Scientific Name	Common Name	Rank	Rank	Status	Listing	Date	Description	EO Comments
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	OBSERVED ON SITE ON 2 OCCASIONS PERCHING AND ACTIVELY FEEDING.
-		, .						GRASSES AND FORBES.	
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	Ν.	LE.	1982-12-31	Data Sensitive	Data Sensitive
DRYMCOUP*35	Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT.	•	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	S 3	N	LE ,	1982-12-31	1982-12-31: Rocky banks of wet-weather stream through hammock (S82LEOFSFLUS).	1982-12-31: Specimen taken (S82LEOFSFLUS).





INVENT	ORY	10	Global	State	Federal	State	Observatio:	n aka wasan a	
Map Label	Scientific Name	Common Name				Listing	Date	Description	EO Comments
ATHEFLOR*6	Athene cunicularia floridana	a Florida Burrowing Owl	G4T3	S 3	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 (Wamer? -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	S 1	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;	ONE INDIVIDUAL (PLASTRON WAS APPROXIMATELY 20 CM. LONG), AT BURROW ENTRANCE, 2 ACTIVE BURROWS AND 3 INACTIVE BURROWS.
DRYMCOUP*34	Drymarchon couperi	Eastern Indigo Snake	G3	S3	ĻT	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	S 3	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	1997-03-13: Few burrows observed during general walk-through; no specific survey conducted (PNDHIP01FLUS).
			ue v − 1	,	(3.55) (5.45)	: 1**	1. 1. 184 2. 1. 184	(30-50% coverage) and a few live oak. Herb cover including wiregrass resprouting from two week	
_					3.4				. ' -





INVENT	TORY		Global	State	Federa	I State	Observatio	n - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	 -
Map Label	Scientific Name	Common Name	Rank	Rank	Status	Listing	Date	Description	EO Comments
ARDEALBA*243	Ardea alba	Great Egret	G5	S4	N	N	1997-07-17	bottom and eel grass beds	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		1997-07-26: two adults observed foraging PNDMAI01).
PODOFLOR*69	Podomys floridanus	Florida Mouse	G3	S3	N	·LS	1997-03-13	former sandhill east of Highway 19 x has been developed). Canopy of in scattered longleaf pine. Subcanopy 1 and midstory of turkey oak (30-50% coverage) and a few live to the standard	1997-03-11: Captured 19 individuals in 12 K 13 grid; 1997-03-12: Captured 10 new individuals and 10 recaptures; 1997-03-13: Captured 9 new individuals and 14 recaptures; total number of rapped individuals is 38 in 468 trapnights 3 X 12 X 13). No estima
EGRETHUL*159	Egretta thula	Snowy Egret	G5	\$3	N	LS	1997-07-26	bottom and eel grass beds 1	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	surrounded by hydric hammock (red cedar, water oak, black gum, is sweet gum, cabbage palm),	1997-07-28: one immature observed oraging; 1997-07-17: one adult observed oraging; 1997-02-28: one adult and one mmature observed foraging; 1996-07-13: one adult and one immature observed oraging (PNDMAI01).
SCIUSHER*111	Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS	1997-03-09	Sandhill (longleaf pine, turkey oak, 1 saw palmetto, wiregrass, etc.) along both sides of highway	997-03-09: one adult DOR (PNDMAI01)





INVENT			Global	State	Federal	State	Observation	n o 1	
Map Label	Scientific Name	Common Name	Rank	Rank	Status	Listing	Date	Description	EO Comments
EGRETRIC*147	Egretta tricolor	Tricolored Heron	G5	S4	N	LS	1997-07-17	Emgergent 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	\$3	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	limestone around the entrance of Dames and Peace Cave. The caves are in an Upland Mixed Forest area that is a small	12004-01-13: 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; unspecifed number of plants also seen at near
PECLPTIL*4	Pecluma ptilodon	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





INVENT			Global	State	Federa	l State	Observatio	n	
Map Label	Scientific Name	Common Name	Rank	Rank	Status	Listing	Date	Description	EO Comments
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 (Asplenium heterochroum) (PNDJOH01FLUS).	2004_03: large trees of Celtis laevigata in "bowl" of sink; sweetgum dominates base of sink (PNDJOH01FLUS); 2002-05-18: open canopy of 50-60-ft trees including Quercus hemisphaerica, Q. virginiana, Magnolia grandiflora, Q. michauxii, Liquidambar styracif
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 .	· Ni	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: Quercus virginiana, Juniperus silicicola, Liquidam
HALILEUC*909	Haliaeetus leucocephalus	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	Haliaeetus leucocephalus	Bald Eagle	G5	S3	N 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	Heterodon simus	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	Heterodon simus	Southern Hognose Snake	G2	S2	N	N	2002-06-20	2002-06-20: Sandhill, longleaf pine, turkey oak, wiregrass; slightl degraded from fire suppression (U02WER03FLUS).	2002-06-20: 1 adult captured in drift fence y array (U02WER03FLUS).





INVENT	TORY		Global	State	Federal	State	Observation	n	•
Map Label	Scientific Name	Common Name	Rank	Rank	Status	Listing	Date	Description	EO Comments
DRYMCOUP*506	Drymarchon couperi	Eastern Indigo Snake	G3	S 3	LT	LT	2002-01-15	2002-01-15: Sandhill, slightly degraded due to lack of burning; longleaf pine, turkey oak, wiregras (U02MOR01FLUS).	2002-01-15: One adult seen fleeing prescribed burn (U02MOR01FLUS).
JUSTCOOL*20	Justicia cooleyi	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	Peperomia humilis	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 epiphetic on limestone (U05WER01FLUS).
ADIATENE*25	Adiantum tenerum	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	Sciurus niger shermani	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, Lyonia fruticosa, llex cassine, Asimina sp., Vaccinium myrsinites. Open areas with Aristida, Licania, and Andropogon (U04COR01FLUS).	12006-01-07: 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	Pituophis melanoleucus mugitus	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 burruw with burrow camera (F02HIP01FLUS).
STYLABDI*43	Stylisma abdita	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).	(U02WER01FLUS).
PODOFLOR*97	Podomys floridanus	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	Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N Trans	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).







INVEN	TORY		Global	State	Federa	State	Observation	า	
Map Label	Scientific Name	Common Name	Rank	Rank	Status	Listing	Date	Description	EO Comments
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 (F02HJP01FLUS).	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	Ν.	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).





Natural Areas		. Sp	1851			
INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing	
Matrix Unit ID: 24765			7 .			
Likely		*	: :			
Falco sparverius paulus Grus canadensis pratensis Sandhill	Southeastern American Kestrel Florida Sandhill Crane	G5T4 G5T2T3 G3	S3 S2S3 S2	N N N	LT LT N	
Potential						
Agrimonia incisa Athene cunicularia floridana Calopogon multiflorus Coelorachis tuberculosa Digitaria floridana Drymarchon couperi Gopherus polyphemus Heterodon simus Matelea floridana Myotis austroriparius Nemastylis floridana Neofiber alleni Notophthalmus perstriatus Picoides borealis Podomys floridanus Pteroglossaspis ecristata Rana capito Sciurus niger shermani Spigelia loganioides Stilosoma extenuatum Ursus americanus floridanus	Incised Groove-bur Florida Burrowing Owl Many-flowered Grass-pink Piedmont Jointgrass Florida Crabgrass Eastern Indigo Snake Gopher Tortoise Southern Hognose Snake Florida Spiny-pod Southeastern Bat Celestial Lily Round-tailed Muskrat Striped Newt Red-cockaded Woodpecker Florida Mouse Giant Orchid Gopher Frog Sherman's Fox Squirrel Pinkroot Short-tailed Snake Florida Black Bear	G3 G4T3 G2G3 G3 G1 G3 G2 G2 G3 G2G3 G3 G2G3 G3 G5T3 G2Q G3 G5T2	\$2 \$3 \$2\$3 \$3 \$1 \$3 \$2 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	zzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzz	LE SET NITT NE NEN NOSTESLETT*	
Matrix Unit ID: 24766 Likely			(***			
Grus canadensis pratensis Sandhill Scrub	Florida Sandhill Crane	G5T2T3 G3 G2	\$2\$3 \$2 \$2	N N N	LT N N	
Potential						
Agrimonia incisa Asplenium x curtissii Athene cunicularia floridana Calopogon multiflorus Digitaria floridana Drymarchon couperi Gopherus polyphemus Heterodon simus Matelea floridana Myotis austroriparius Nemastylis floridana Neofiber alleni	Incised Groove-bur Curtiss' Spleenwort Florida Burrowing Owl Many-flowered Grass-pink Florida Crabgrass Eastern Indigo Snake Gopher Tortoise Southern Hognose Snake Florida Spiny-pod Southeastern Bat Celestial Lily Round-tailed Muskrat	G3 GNA G4T3 G2G3 G1 G3 G3 G2 G2 G3G4 G2 G3	\$2 \$1 \$3 \$2\$3 \$1 \$3 \$3 \$2 \$2 \$3 \$2 \$3	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	LE NS LE NT LT NE NE N	

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.



Biodiversity Matrix Report



	latural Arreas		Global	State	Federal	State
, U *	Scientific Name	Common Name	Rank	Rank	 	Listing
	Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N	N N
•	Picoides borealis	Red-cockaded Woodpecker	G3	S2	LE	ĹS
	Pituophis melanoleucus mugitus	Florida Pine Snake	G4T3	S3	N	LS
	Podomys floridanus	Florida Mouse	G3	S3	N	LS
	Pteroglossaspis ecristata	Giant Orchid	G2G3	S2	N	LT
	Rana capito	Gopher Frog	G3	S3	N	LS
	Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS
	Spigelia loganioides	Pinkroot	G2Q	S2	N	LE
	Stilosoma extenuatum	Short-tailed Snake	G3	S3	N	LT
	Ursus americanus floridanus	Florida Black Bear	G5T2	S2	N	LT*
Mat	rix Unit ID: 24767					•
	ikely	₩		•		
_		Florida Candhill Crans	CETOTO	6262	κì	įΤ
	Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3	S2S3	N LE	LT LS
	Picoides borealis	Red-cockaded Woodpecker	G3	S2		
	Sandhill	•	G3	S2	N.	N N
	Scrub		G2	S2	N	IN
P	otential	•				
	Agrimonia incisa	Incised Groove-bur	G3	S2	N	LE
	Asplenium x curtissii	Curtiss' Spleenwort	GNA	S1	N	N
	Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	N ·	LS
	Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3	N	LE
	Digitaria floridana	Florida Crabgrass	G1	S1	N	N
	Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT
	Falco sparverius paulus	Southeastern American Kestrel	G5T4	S3	N.	LT
	Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT
	Heterodon simus	Southern Hognose Snake	G2	S2	Ν	N
	Matelea floridana	Florida Spiny-pod	G2	S2	N	LE
	Myotis austroriparius	Southeastern Bat	G3G4	S3	N	N.
	Nemastylis floridana	Celestial Lily	G2	S2 .	N	LE
	Neofiber alleni	Round-tailed Muskrat	G3	S3	N	N
	Notophthalmus perstriatus '	Striped Newt	G2G3	S2S3	N	N
	Pituophis melanoleucus mugitus	Florida Pine Snake	G4T3	S3	N	LS
	Podomys floridanus	Florida Mouse	G3	S3	N	LS
	Rana capito	Gopher Frog	G3	S3	N	LS
	Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS
	Spigelia loganioides	Pinkroot	G2Q	S2	N	LE
	Stilosoma extenuatum	Short-tailed Snake	G3	S3	N	LT
	Ursus americanus floridanus	Florida Black Bear	G5T2	S2	N	LT*
Mat	rix Unit ID: 24768					
L	ikely					•
	Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
•	Picoides borealis	Red-cockaded Woodpecker	G3	S2	LE	ĹS
	Sandhill	Neu-cookaded Woodpecker	G3	S2	N.	N
	Scrub	,	G2	S2	N	N
	Stylisma abdita	Scrub Stylisma	G3	S3	N	ĹĔ
	Otynomia abaita	Jordo Otynoma				

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Biodiversity Matrix Report



NWLITH ATEMS INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Potential		e ese apre in .			
Agrimonia incisa Asplenium x curtissii Athene cunicularia floridana Calopogon multiflorus Digitaria floridana	Incised Groove-bur Curtiss' Spleenwort Florida Burrowing Owl Many-flowered Grass-pink Florida Crabgrass	G3 GNA G4T3 G2G3 G1	S2 S1 S3 S2S3 S1	N N N N	LE N LS LE N
Drymarchon couperi Falco sparverius paulus Gopherus polyphemus Heterodon simus Matelea floridana Myotis austroriparius Nemastylis floridana	Eastern Indigo Snake Southeastern American Kestrel Gopher Tortoise Southern Hognose Snake Florida Spiny-pod Southeastern Bat Celestial Lily	G3 G5T4 G3 G2 G2 G3G4 G2	S3 S3 S2 S2 S2 S3 S2	LT N N N N N	LT LT LT N LE N
Neofiber alleni Notophthalmus perstriatus Podomys floridanus Rana capito Sciurus niger shermani Spigelia loganioides Stilosoma extenuatum Ursus americanus floridanus	Round-tailed Muskrat Striped Newt Florida Mouse Gopher Frog Sherman's Fox Squirrel Pinkroot Short-tailed Snake Florida Black Bear	G3. G2G3 G3 G3 G5T3 G2Q G3 G5T2	\$3 \$2\$3 \$3 \$3 \$3 \$3 \$2 \$3 \$2	Ν	N N LS LS LS LE LT
Matrix Unit ID: 24769				. •	
Documented					
Pituophis melanoleucus mugitus Stylisma abdita	Florida Pine Snake Scrub Stylisma	G4T3 G3	S3 S3	N N	LS LE
Likely					
Aimophila aestivalis Drymarchon couperi Grus canadensis pratensis Picoides borealis Sandhill Scrub	Bachman's Sparrow Eastern Indigo Snake Florida Sandhill Crane Red-cockaded Woodpecker	G3 G3 G5T2T3 G3 G3 G2	S3 S3 S2S3 S2 S2 S2 S2	N LT N LE N	N LT LT LS N N
Potential	grande et al. 1990 et al.				
Agrimonia incisa Asplenium x curtissii Athene cunicularia floridana Calopogon multiflorus Centrosema arenicola Digitaria floridana Gopherus polyphemus Heterodon simus Matelea floridana Mustela frenata peninsulae Myotis austroriparius Nemastylis floridana	Incised Groove-bur Curtiss' Spleenwort Florida Burrowing Owl Many-flowered Grass-pink Sand Butterfly Pea Florida Crabgrass Gopher Tortoise Southern Hognose Snake Florida Spiny-pod Florida Long-tailed Weasel Southeastern Bat Celestial Lily	G3 GNA G4T3 G2G3 G2Q G1 G3 G2 G2 G5T3 G3G4 G2	\$2 \$1 \$3 \$2\$3 \$2 \$1 \$3 \$2 \$2 \$3 \$3 \$2	222222222	LE N S LE N LE N N LE N N LE

Definitions: Documented - Rare species and natural communities documented on or near this site.





Common Name Round-tailed Muskrat Striped Newt Florida Mouse Giant Orchid Gopher Frog	Global Rank G3 G2G3 G3 G2G3	State Rank S3 S2S3 S3	Federal Status N N	State Listing N N
Striped Newt Florida Mouse Giant Orchid Gopher Frog	G2G3 G3	S2S3		
Florida Mouse Giant Orchid Gopher Frog	G3		N	N
Florida Mouse Giant Orchid Gopher Frog		S3		I N
Giant Orchid Gopher Frog	G2G3		N	LS
	U_2_U_J	S2 .	N	LT
	G3	S3	N	LS
Sherman's Fox Squirrel	G5T3	S3	N	LS
Pinkroot	G2Q	S2 ·	· N	LE
Short-tailed Snake	G3 É	S3	N	LT
Florida Black Bear	G5T2	S2	N	LT*
		•		
Bachman's Sparrow	, G 3	S3	N	N
	•			
Eastern Indigo Snake	G3	53	IT.	LT
				ĹŤ
				LS
Neu-cockaded Woodpecker				N
				Ň
Scrub Stylisma	G3	S3	N	ĹĒ
Incised Groove-bur	G3	S2	N"	LE
				N
				ĹŠ
				LE
				LE
				N
				LT
				. N
				LE
				LE
				. N
				N
				LE
				N
				N
				LS
				LS
				ĹŤ
				ĹŠ
				LS
				LE
				ĹŤ
				LE
				LT*
	Florida Black Bear Bachman's Sparrow Eastern Indigo Snake Florida Sandhill Crane Red-cockaded Woodpecker	Bachman's Sparrow G3 Eastern Indigo Snake Florida Sandhill Crane Red-cockaded Woodpecker G3 G2 Scrub Stylisma G3 Incised Groove-bur Curtiss' Spleenwort Florida Burrowing Owl Many-flowered Grass-pink G2G3 Sand Butterfly Pea Florida Crabgrass G1 Gopher Tortoise G3 Southern Hognose Snake Florida Long-tailed Weasel Florida Long-tailed Weasel Southeastern Bat Celestial Lily Round-tailed Muskrat G3 Striped Newt Florida Pine Snake Florida Pine Snake Florida Mouse G3 Gant Orchid G2G3 Sherman's Fox Squirrel Finkroot G2Q Short-tailed Snake G3 Craighead's Nodding-caps G1 G3 G5T3 G3 G7	Bachman's Sparrow G3	Bachman's Sparrow G3 S3 N

trix Unit ID: 24771

Definitions: Documented - Rare species and natural communities documented on or near this site.





Natural Areas			+		
INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Documented	The first of the second of the				r
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS
Likely					
Drymarchon couperi Falco sparverius paulus Grus canadensis pratensis Picoides borealis Sandhill	Eastern Indigo Snake Southeastern American Kestrel Florida Sandhill Crane Red-cockaded Woodpecker	G3 G5T4 G5T2T3 G3 G3	S3 S3 S2S3 S2 S2	LT N N LE N	LT LT LT LS N
Potential					1.584
Agrimonia incisa Asplenium x curtissii Athene cunicularia floridana Calopogon multiflorus Centrosema arenicola Digitaria floridana Gopherus polyphemus Heterodon simus Matelea floridana Mustela frenata peninsulae Myotis austroriparius Nemastylis floridana Neofiber alleni Notophthalmus perstriatus Pituophis melanoleucus mugitus Podomys floridanus Pteroglossaspis ecristata Rana capito Spigelia loganioides Stilosoma extenuatum Ursus americanus floridanus	Incised Groove-bur Curtiss' Spleenwort Florida Burrowing Owl Many-flowered Grass-pink Sand Butterfly Pea Florida Crabgrass Gopher Tortoise Southern Hognose Snake Florida Spiny-pod Florida Long-tailed Weasel Southeastern Bat Celestial Lily Round-tailed Muskrat Striped Newt Florida Pine Snake Florida Mouse Giant Orchid Gopher Frog Pinkroot Short-tailed Snake Florida Black Bear	G3 GNA G4T3 G2G3 G2Q G1 G3 G2 G5T3 G3G4 G2 G3 G4T3 G3 G2G3 G4T3 G3 G2G3 G4T3 G3 G2G3 G4T3	\$2 \$1 \$3 \$2\$3 \$2 \$1 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	N N N N N N N N N N N N N N N N N N N	ENSEENT NENNENNSSTSETT
Matrix Unit ID: 24772		Jes			
Likely					
Drymarchon couperi Falco sparverius paulus Grus canadensis pratensis Picoides borealis Sandhill	Eastern Indigo Snake Southeastern American Kestrel Florida Sandhill Crane Red-cockaded Woodpecker	G3 G5T4 G5T2T3 G3 G3	\$3 \$3 \$2\$3 \$2 \$2	LT N N LE N	LT LT LT LS N
Potential			•		
Agrimonia incisa Asplenium x curtissii Athene cunicularia floridana Calopogon multiflorus Centrosema arenicola Digitaria floridana	Incised Groove-bur Curtiss' Spleenwort Florida Burrowing Owl Many-flowered Grass-pink Sand Butterfly Pea Florida Crabgrass	G3 GNA G4T3 G2G3 G2Q G1	S2 S1 S3 S2S3 S2 S1	N N N N N N N N N N N N N N N N N N N	LE N LS LE LE N

Definitions: Documented - Rare species and natural communities documented on or near this site.





Á	Vatural Areas					10	31
	Scientific Name		Common Name	Global Rank	State Rank	Federal Status	State Listing
	Gopherus polyphemus		Gopher Tortoise	G3	S3	N	LT
	Heterodon simus		Southern Hognose Snake	G2	S2	Ν·	N
	Matelea floridana		Florida Spiny-pod	G2	S2	N	LE
	Mustela frenata peninsulae		Florida Long-tailed Weasel	G5T3	S3	N	N
	Myotis austroriparius		Southeastern Bat	G3G4	S3	Ň	N
	Nemastylis floridana		Celestial Lily	G2	S2	Ň	ĹĔ
	Neofiber alleni		Round-tailed Muskrat	G3	S3	N	N
-	Notophthalmus perstriatus		Striped Newt	G2G3	S2S3	N	N
	Podomys floridanus		Florida Mouse	G3	S3	N	ĹŠ
	Pteroglossaspis ecristata		Giant Orchid	G2G3	S2	Ň	LT
				G3	S3	N	LS
	Rana capito		Gopher Frog	G5T3	S3	N	LS
	Sciurus niger shermani		Sherman's Fox Squirrel	G2Q	S2	N	LE
	Spigelia loganioides		Pinkroot	G2Q G3	S3		LT
	Stilosoma extenuatum		Short-tailed Snake			N	LT*
	Ursus americanus floridanus	•	Florida Black Bear	G5T2	S2	N	LI"
Mat	rix Unit ID: 24773					•	
L	ikely						
	Drymarchon couperi		Eastern Indigo Snake	G3	S3	LT	LT .
	Grus canadensis pratensis		Florida Sandhill Crane	G5T2T3	S2S3	N	LT
	Stilosoma extenuatum		Short-tailed Snake	G3	S3	, N	ĹŤ
P	Potential	•			•	ur .	
	Agrimonia incisa		Incised Groove-bur	G3	S2	N	LE
	Asplenium x curtissii		Curtiss' Spleenwort	GNA	S1	N.	N
	Athene cunicularia floridana		Florida Burrowing Owl	G4T3	S3	N	LS
	Calopogon multiflorus		Many-flowered Grass-pink	G2G3	S2S3	Ň	LE
	Centrosema arenicola		Sand Butterfly Pea	G2Q	- S2	N	LE
	Digitaria floridana		Florida Crabgrass	G1	S1	N	N
	Gopherus polyphemus		Gopher Tortoise	G3	S3	N	ĹŤ
	Heterodon simus		Southern Hognose Snake	G2	S2	Ň	N
	Matelea floridana		Florida Spiny-pod	G2	S2	N	ĽĚ
			Southeastern Bat	G3G4	S3	N	N
	Myotis austroriparius Nemastylis floridana	•	Celestial Lily	G2	S2 ·	N	ĹĔ
			Round-tailed Muskrat	G2 G3	S3	N	N
	Neofiber alleni	•		G2G3	S2S3	N	N
	Notophthalmus perstriatus		Striped Newt	G2G3	S2-33	LE	LS
	Picoides borealis		Red-cockaded Woodpecker				
	Podomys floridanus		Florida Mouse	G3	S3	N	LS
	Pteroglossaspis ecristata		Giant Orchid	G2G3	S2	N	LT
	Rana capito		Gopher Frog	G3	S3	N	LS
	Sciurus niger shermani		Sherman's Fox Squirrel	G5T3	S3	N	LS
	Spigelia loganioides		Pinkroot	G2Q	S2	N	LE.
Mat	trix Unit ID: 24774						
L	_ikely						
	Drymarchon couperi		Eastern Indigo Snake	G3	S3	LT	LT
	Grus canadensis pratensis		Florida Sandhill Crane	G5T2T3	S2S3	N	LT
	Stilosoma extenuatum		Short-tailed Snake	G3	S3	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.

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

Page 6 of 7

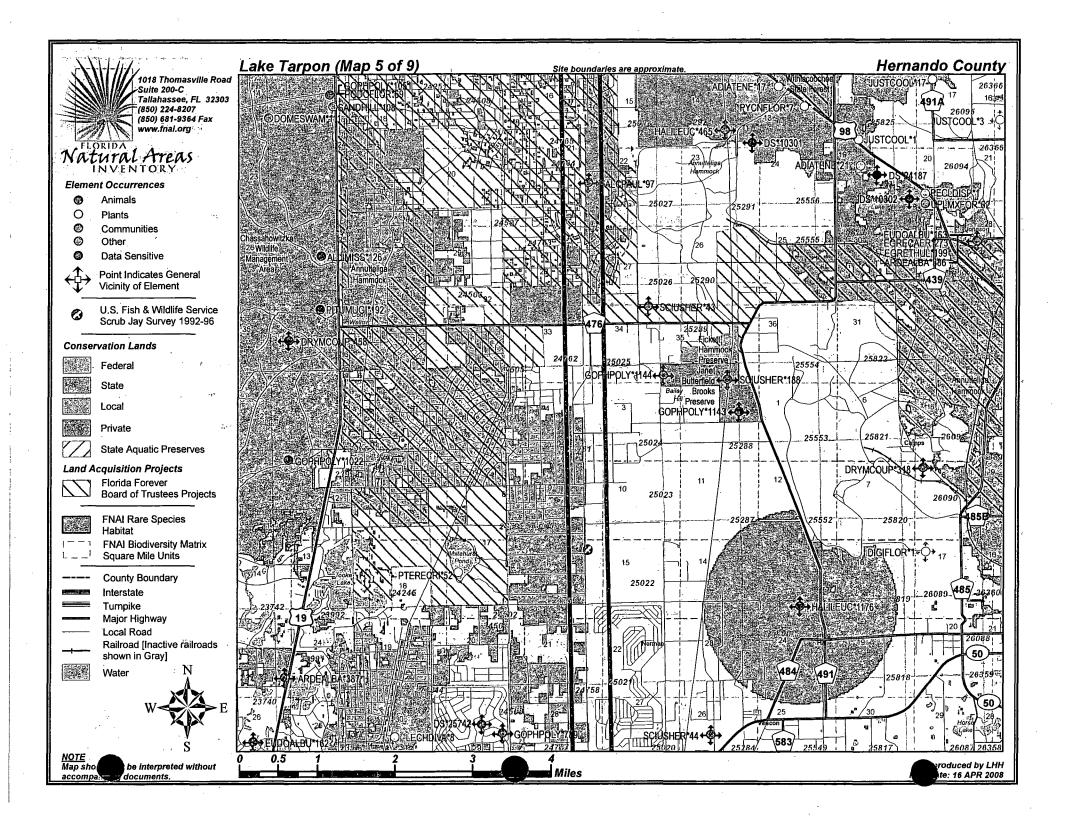




INVENTORY	•	Global	State	Federal	State
Scientific Name	Common Name	Rank	Rank	Status	Listing
Potential	en e	+-1	emie v v		**************************************
Agrimonia incisa	Incised Groove-bur	G3	S2	. N.	LE
Aimophila aestivalis	Bachman's Sparrow	G3 .	S 3	. N	N
Asplenium heteroresiliens	Wagner's Spleenwort	GNA	Ş1	N	N
Asplenium x curtissii	Curtiss' Spleenwort	GNA	S1	N.	N
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	N	LS
Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3	N	LE
Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	N	LE
Digitaria floridana	Florida Crabgrass	G1	S1	N	. N
Gopherus polyphemus	Gopher Tortoise	G3 -	S3	N	ĹT
Heterodon simus	Southern Hognose Snake	G2 ·	, S2 .	. N	N
Matelea floridana	Florida Spiny-pod	G2	S2	. N	LE
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N	N
Myotis austroriparius	Southeastern Bat	G3G4	S3	. N	N
Nemastylis floridana	Celestial Lily	G2	S2	N	LE
Neofiber alleni	Round-tailed Muskrat	G3	S3	. N	N
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N	Ň
Picoides borealis	Red-cockaded Woodpecker	G3	S2	LE	LS
Podomys floridanus	Florida Mouse	G3	S3	. N	LS
Pteroglossaspis ecristata	Giant Orchid	G2G3	S2	N N	LT
Rana capito	Gopher Frog	G3	S3	N	LS
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS
Spigelia loganioides	Pinkroot	G2Q	S2	N	LE



Definitions: Documented - Rare species and natural communities documented on or near this site. Documented-Historic - Rare species and natural communities documented, but not observed/reported within the last twenty years. Likely - Rare species and natural communities likely to occur on this site based on suitable habitat and/or known occurrences in the vicinity. Potential - This site lies within the known or predicted range of the species listed.







INVENT						e Observation		
Map Label	Scientific Name	Common Name	Rank	Rank	Status Listi	ng Date	Description	EO Comments
EGRECAER*273	Egretta caerulea	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	Ardea alba	Great Egret	G5	S4	N AAAA	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	Adiantum tenerum	Brittle Maidenhair Fern	G5	S3	N LE	1980-08-16	West side of old phosphate test in hammock (S80BECSFFLUS).	oit,1980-08-16: Ca. 4 plants; specimen collected [spore] (S80BECSFFLUS).
SCIUSHER*44	Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N LS	1989	SANDHILL	7 SQUIRRELS SITED BETWEEN OCT 1988 AND JULY 1989.
EUDOALBU*163	Eudocimus albus	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	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 Grear Hope Pond Colony (located in 1989).
EGRETHUL*199	Egretta thula	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	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.





INVEN	FORY		Global	State	Federal	State	Observation	n	
Map Label	Scientific Name	Common Name	Rank	Rank	Status	Listing	Date	Description	EO Comments
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	Ģ5	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 broadleafs. 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.









INVENT	FITEN) FORY	· · · · · · · · · · · · · · · · · · ·	Global	State I	Federal	State	Observation	n ,	
Map Label	Scientific Name	Common Name	Rank	Rank	Status	Listing	Date	Description	EO Comments
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	S 3	N	LT	1959-09-13	НАММОСК.	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 (Wamer? -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	S 3	N	LT	1997-03-13	been developed). Canopy of scattered longleaf pine. Subcanopy	1997-03-13: Few burrows observed during general walk-through; no specific survey conducted (PNDHIP01FLUS).
			-	~				and midstory of turkey oak (30-50% coverage) and a few live	
	en de 194	and the second	74.	1. 1.			:	oak. Herb cover including	6.5
	e a t			· · · · ·				wiregrass resprouting from two week	
								•	





IÑAEN	IORY		Global	State	Federal	State	Observatio	n ·	4 1 × 2
Map Label	Scientific Name	Common Name	Rank	Rank	Status	Listing	Date	Description	EO Comments
PODOFLOR*69	Podomys floridanus	Florida Mouse	G3	S3	N	LS	1997-03-13	former sandhill east of Highway 19 has been developed). Canopy of scattered longleaf pine. Subcanop and midstory of turkey oak	1997-03-11: Captured 19 individuals in 12 9 X 13 grid; 1997-03-12: Captured 10 new individuals and 10 recaptures; y1997-03-13: 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 cove 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) (PNDCAR05FLUS).
PECLDISP*1	Pecluma dispersa	Widespread Polypody	G5	S2	N	LE	2002-05-18	Quercus hemisphaerica, Acer barbatum, Quercus michauxii, and	f 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









INVENT	ORY		Global	State	Federal	State	Observation	1	
Map Label	Scientific Name	Common Name	Rank	Rank	Status	Listing	- Date	Description	EO Comments
DRYMCOUP*458	Drymarchon couperi	Eastern Indigo Snake	G3	S 3	LT ;	LT		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: 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: 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: principal habitat is sandhill with longleaf pine, turkey oak, wiregrass; this occurs chieffly 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		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.





Natural Areas		•		3.0	. تا يون
INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Bratis Heid ID. 04777	to the way to be a first			** 2	
Matrix Unit ID: 24757				<i>i</i> 1	•
Documented	. •)		•	•
Gopherus polyphemus	Gopher Tortoise	G3	S3	N N	LT
Likely					
Grus canadensis pratensis Lechea divaricata Sandhill	Florida Sandhill Crane Pine Pinweed	G5T2T3 G2 G3	\$2\$3. \$2 \$2	N N N	LT LE
Potential					
Agrimonia incisa Aphelocoma coerulescens Blechnum occidentale Calopogon multiflorus Centrosema arenicola Coelorachis tuberculosa Digitaria floridana Drymarchon couperi Heterodon simus Matelea floridana Monotropsis reynoldsiae Mustela frenata peninsulae Nemastylis floridana Neofiber alleni Notophthalmus perstriatus Panicum abscissum Podomys floridanus Rana capito Schizachyrium niveum Sciurus niger shermani	Incised Groove-bur Florida Scrub-jay Sinkhole Fern Many-flowered Grass-pink Sand Butterfly Pea Piedmont Jointgrass Florida Crabgrass Eastern Indigo Snake Southern Hognose Snake Florida Spiny-pod Pygmy Pipes Florida Long-tailed Weasel Celestial Lily Round-tailed Muskrat Striped Newt Cutthroat Grass Florida Mouse Gopher Frog Scrub Bluestem Sherman's Fox Squirrel	G3 G2 G5 G2G3 G2Q G3 G1 G2 G2 G1Q G5T3 G2 G3 G3 G3 G3 G1 G5T3	\$2 \$2 \$1 \$2\$3 \$2 \$3 \$1 \$3 \$2 \$1 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	2722227222222222	LET LE LET N L N L L N L L N L L N L L N L L N L L N L L N L L L L L N L L N L L N L L N L L N L L N L L N L L N L L N L L N L N L L N L L N L L N L L N L L N L L N L L N L N L L N L L N
Matrix Unit ID: 24758					
Likely					
Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Potential					•
Agrimonia incisa Athene cunicularia floridana Calopogon multiflorus Centrosema arenicola Coelorachis tuberculosa Digitaria floridana Drymarchon couperi Gopherus polyphemus Heterodon simus Matelea floridana Mustela frenata peninsulae Nemastylis floridana	Incised Groove-bur Florida Burrowing Owl Many-flowered Grass-pink Sand Butterfly Pea Piedmont Jointgrass Florida Crabgrass Eastern Indigo Snake Gopher Tortoise Southern Hognose Snake Florida Spiny-pod Florida Long-tailed Weasel Celestial Lily	G3 G4T3 G2G3 G2Q G3 G1 G3 G2 G2 G5T3 G2	\$2 \$3 \$2\$3 \$2 \$3 \$1 \$3 \$3 \$2 \$2 \$3 \$2	7	LE LE LT NT TN LE NE

Definitions: Documented - Rare species and natural communities documented on or near this site.





Natural Areas				1851 - 18
INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal State Status Listing
Neofiber alleni	Round-tailed Muskrat	G3	S3	N N
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N # Novide
Panicum abscissum	Cutthroat Grass	G3	S3	N LE
Podomys floridanus	Florida Mouse	G3	S3	N LS
Rana capito	Gopher Frog	. G3	S3 ·	N LS
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N LS
Matrix Unit ID: 24759	onomiano i ox oquino.	3010	00	
Likely				
Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3	S2S3	N LT
Potential	riona Garanii Grane	031213	0200	
				·
Agrimonia incisa	Incised Groove-bur	G3 ; `	S2	N LE
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	N LS
Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3	N LE
Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	N LE
Coelorachis tuberculosa	Piedmont Jointgrass	G3	S3	N LT
Digitaria floridana	Florida Crabgrass	G1	S1	N N
Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT LT
Gopherus polyphemus	Gopher Tortoise	. G3	S3 :	N LT
Heterodon simus	Southern Hognose Snake	G2	S2	N N
Matelea floridana	Florida Spiny-pod	. G2	S2	N LE
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N N
Nemastylis floridana	Celestial Lily	G2	S2	N A LE
Neofiber alleni	Round-tailed Muskrat	G3	S3	N N
Notophthalmus perstriatus	Striped Newt	G2G3		
Podomys floridanus	Florida Mouse	G3	S3	N LS
Rana capito	Gopher Frog	G3	S3	N LS
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N LS
Matrix Unit ID: 24760		22.2		
Likely				
Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3	S2S3	N LT
Potential	rional Sananiii Stano	001210	0200	
	· · · · · · · · · · · · · · · · · · ·	-	, . ,	
Agrimonia incisa	Incised Groove-bur	G3	S2	N LE
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	N LS
Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3	N LE
Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	N LE
Coelorachis tuberculosa	Piedmont Jointgrass	G3	S3	N LT
Digitaria floridana	Florida Crabgrass	G1	S1	$N \sim N$
Drymarchon couperi	Eastern Indigo Snake	G3	S3 ·	LT LT
Gopherus polyphemus	Gopher Tortoise	G3	S3	N LT
Heterodon simus	Southern Hognose Snake	G2	S2	N N
Matelea floridana	Florida Spiny-pod	G2	S2	N LE
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N N
Nemastylis floridana	Celestial Lily	G2	S2	N LE
Neofiber alleni	Round-tailed Muskrat	G3	S3	N N
			-	

Definitions: Documented - Rare species and natural communities documented on or near this site.





Natural Areas	•			18	51
Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Notophthalmus perstriatus Pituophis melanoleucus mugitus Podomys floridanus Rana capito Sciurus niger shermani Stilosoma extenuatum	Striped Newt Florida Pine Snake Florida Mouse Gopher Frog Sherman's Fox Squirrel Short-tailed Snake	G2G3 G4T3 G3 G3 G5T3 G3	S2S3 S3 S3 S3 S3 S3	N N N N N	N LS LS LS LS
Matrix Unit ID: 24761					
Likely					
Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Potential					
Agrimonia incisa Athene cunicularia floridana Calopogon multiflorus Centrosema arenicola Coelorachis tuberculosa Digitaria floridana Drymarchon couperi Gopherus polyphemus Heterodon simus Matelea floridana Mustela frenata peninsulae Nemastylis floridana Neofiber alleni Notophthalmus perstriatus Picoides borealis Pituophis melanoleucus mugitus Podomys floridanus Rana capito Sciurus niger shermani Stilosoma extenuatum	Incised Groove-bur Florida Burrowing Owl Many-flowered Grass-pink Sand Butterfly Pea Piedmont Jointgrass Florida Crabgrass Eastern Indigo Snake Gopher Tortoise Southern Hognose Snake Florida Spiny-pod Florida Long-tailed Weasel Celestial Lily Round-tailed Muskrat Striped Newt Red-cockaded Woodpecker Florida Pine Snake Florida Mouse Gopher Frog Sherman's Fox Squirrel Short-tailed Snake	G3 G4T3 G2G3 G2Q G3 G1 G3 G2 G5T3 G2 G3 G4T3 G3 G4T3 G3 G5T3 G3	\$2 \$3 \$2 \$3 \$2 \$3 \$1 \$3 \$2 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	zzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzz	E S E E T N T T N E N E N N S S S S S L T
Matrix Unit ID: 24762	·	· · ·			
Likely				•	
Mesic flatwoods Sandhill Sciurus niger shermani	Sherman's Fox Squirrel	G4 G3 G5T3	S4 S2 S3	N N N	N N LS
Potential					
Agrimonia incisa Athene cunicularia floridana Calopogon multiflorus Centrosema arenicola Coelorachis tuberculosa Digitaria floridana Drymarchon couperi Gopherus polyphemus	Incised Groove-bur Florida Burrowing Owl Many-flowered Grass-pink Sand Butterfly Pea Piedmont Jointgrass Florida Crabgrass Eastern Indigo Snake Gopher Tortoise	G3 G4T3 G2G3 G2Q G3 G1 G3 G3	\$2 \$3 \$2\$3 \$2 \$3 \$1 \$3 \$3	2 2 2 2 2 Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	LE LS LE LT 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.

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

04/16/2008





Natural Areas				1851 - 8
INVENTORY		Global	State	Federal State
Scientific Name	Common Name	Rank	Rank	Status Listing
Heterodon simus	Southern Hognose Snake	G2	S2	.N ., N
Matelea floridana	Florida Spiny-pod	G2	S2	N LE
Monotropsis reynoldsiae	Pygmy Pipes	G1Q	S1	N LE
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N N
Myotis austroriparius	Southeastern Bat	G3G4	S3	· N N
Nemastylis floridana	Celestial Lily	G2	S2	N LE
Neofiber alleni	Round-tailed Muskrat	G3	S3	N N
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N N
Picoides borealis	Red-cockaded Woodpecker	G3	S2	LE LS
Pituophis melanoleucus mugitus	Florida Pine Snake	G4T3	S3	N LS
Podomys floridanus	Florida Mouse	G3	S3	N LS
Pteroglossaspis ecristata	Giant Orchid	G2G3	S2	N LT
Rana capito	Gopher Frog	G3	S3	N LS
Stilosoma extenuatum	Short-tailed Snake	G3	S3	N LT
Triphora craigheadii	Craighead's Nodding-caps	G3 G1	S1	N LE
Ursus americanus floridanus	Florida Black Bear	G5T2	S2	N LT*
Orsus americanus nonuanus		G512	32	, IN LI
Matrix Unit ID: 24763				
Wathx Unit ID: 24763				
Likely	• • • •			
Falco sparverius paulus	Southeastern American Kestrei	G5T4	·S3	N LT
Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3	S2S3	N LT
Sandhill	Florida Sandrilli Craffe	G31213	S2	N N
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	- S3	N LS
A Transport of the Control of the Co	Sherman's Fox Squirer	0010	. 33	IN LO
Potential				
Agrimonia incisa	Incised Groove-bur	G3 ·	S2	N LE
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	N LS
Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3	N. LE
Coelorachis tuberculosa	Piedmont Jointgrass	G3	S3	N LT
Digitaria floridana	Florida Crabgrass 🦟 💮 🕟	G1	S1	N N
Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT LT
Forestiera godfreyi	Godfrey's Swampprivet	G2	S2	N LE
Gopherus polyphemus	Gopher Tortoise	G3	S3	N LT
Heterodon simus	Southern Hognose Snake	G2	S2 =	
Justicia cooleyi	Cooley's Water-willow	G2	S2	LE LE
Matelea floridana	Florida Spiny-pod	G2	S2	N LE
Monotropsis reynoldsiae	Pygmy Pipes	G1Q	S1	N LE
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N N
Myotis austroriparius	Southeastern Bat	G3G4	S3	N "N
Nemastylis floridana	Celestial Lily	G2	S2	N LE
Neofiber alleni	Round-tailed Muskrat	G3	S3	N N
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N N
Picoides borealis	Red-cockaded Woodpecker	G3	S2	LE LS
Pituophis melanoleucus mugitus	Florida Pine Snake	G4T3	S3	N LS
Podomys floridanus	Florida Mouse	G3	S3	N LS
Pteroglossaspis ecristata	Giant Orchid	G2G3	S2	N LT
Rana capito	Gopher Frog	G2G3	S3	N LS
Spigelia loganioides	Pinkroot	G2Q	S2	
Stilosoma extenuatum	Short-tailed Snake	G2Q G3	S2 S3	N LE N LT
Suiosoma externatum	Short-tailed Shake	GS	33	IN LI

Definitions: Documented - Rare species and natural communities documented on or near this site.





Natural Areas	· ·		¥	. 18	51 8
INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Triphora craigheadii Ursus americanus floridanus	Craighead's Nodding-caps Florida Black Bear	G1 G5T2	S1 S2	N N	LE LT*
Matrix Unit ID: 24764	,			•	
Likely					
Falco sparverius paulus Grus canadensis pratensis Mesic flatwoods Sandhill	Southeastern American Kestrel Florida Sandhill Crane	G5T4 G5T2T3 G4 G3	\$3 \$2\$3 \$4 \$2	N N N N	LT LT N
Potential		•			
Agrimonia incisa Athene cunicularia floridana Calopogon multiflorus Centrosema arenicola Coelorachis tuberculosa Digitaria floridana Drymarchon couperi Forestiera godfreyi Gopherus polyphemus Heterodon simus Justicia cooleyi Matelea floridana Monotropsis reynoldsiae Mustela frenata peninsulae Myotis austroriparius Nemastylis floridana Neofiber alleni Notophthalmus perstriatus Picoides borealis Pituophis melanoleucus mugitus Podomys floridanus Pteroglossaspis ecristata Rana capito Sciurus niger shermani Spigelia loganioides Stilosoma extenuatum Triphora craigheadii Ursus americanus floridanus	Incised Groove-bur Florida Burrowing Owl Many-flowered Grass-pink Sand Butterfly Pea Piedmont Jointgrass Florida Crabgrass Eastern Indigo Snake Godfrey's Swampprivet Gopher Tortoise Southern Hognose Snake Cooley's Water-willow Florida Spiny-pod Pygmy Pipes Florida Long-tailed Weasel Southeastern Bat Celestial Lily Round-tailed Muskrat Striped Newt Red-cockaded Woodpecker Florida Pine Snake Florida Mouse Giant Orchid Gopher Frog Sherman's Fox Squirrel Pinkroot Short-tailed Snake Craighead's Nodding-caps Florida Black Bear	G3 G4T3 G2G3 G2Q G3 G1 G3 G2 G2 G2 G2 G1Q G5T3 G3G4 G2 G3 G4T3 G3 G4T3 G3 G4T3 G3 G4T3 G3 G4T3 G3 G5T3 G2Q G3 G5T3	\$2 \$3 \$2 \$3 \$2 \$3 \$1 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	zzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzz	ESEET A TET A EEE A A E A A S S S T S S E T E T
Matrix Unit ID: 24765					
Likely					
Falco sparverius paulus Grus canadensis pratensis Sandhill	Southeastern American Kestrel Florida Sandhill Crane	G5T4 G5T2T3 G3	S3 S2S3 S2	N N N	LT LT N
Potential					
Agrimonia incisa	Incised Groove-bur	G3	.S2	N	LE

Definitions: Documented - Rare species and natural communities documented on or near this site.

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

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

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

Page 5 of 10





Natural Areas	•				m, 3 e , 4 %	
INVENTORY		Global	State	Federal	State	
Scientific Name	Common Name	Rank	Rank	Status	Listing	
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	Ñ	LS	•
Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3	N .	LE	
Coelorachis tuberculosa	Piedmont Jointgrass	G3	S3	N .	LT	
Digitaria floridana	Florida Crabgrass	G1	S1.	Ñ	N.	
Drymarchon couperi	Eastern Indigo Snake	G3	S3	ĹŤ	LT	
Gopherus polyphemus	Gopher Tortoise	G3	S3	N	· LT	
Heterodon simus	Southern Hognose Snake	G2	S2	. N -	N	
Matelea floridana	Florida Spiny-pod	G2	S2	N	LE	
Myotis austroriparius	Southeastern Bat	G3G4	S3	N	N	
Nemastylis floridana	Celestial Lily	G2	S2	N	LE	
Neofiber alleni	Round-tailed Muskrat	G3	S3	N	N	
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N	N	
Picoides borealis	Red-cockaded Woodpecker	G3	S2	LE	LS	•
Podomys floridanus	Florida Mouse	G3	S3 1	N .	LS	
Pteroglossaspis ecristata	Giant Orchid	G2G3	S2	N	LT	
Rana capito	Gopher Frog	G3	S3	N	LS	
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	. N	LS	
Spigelia loganioides	Pinkroot	G2Q	S2	Ń	LE	
Stilosoma extenuatum	Short-tailed Snake	G3	S3	N	LT	
Ursus americanus floridanus	Florida Black Bear	G5T2	S2	N	LT*	
rix Unit ID: 25020						
Likely						
Mesic flatwoods		G4	S4	N	N	
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS'	
	77-74					
Potential					•	
Agrimonia incisa	Incised Groove-bur	G3	S2 ·	N	LE	
Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3	N	LE	
Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	. N	LE	
Coelorachis tuberculosa	Piedmont Jointgrass	G3	S3	N	LT	
Digitaria floridana	Florida Crabgrass	G1	S1	N	N	
Drymarchon couperi	Eastern Indigo Snake	G3	S3.	LT	LT	
Gopherus polyphemus	Gopher Tortoise	G3	S3	, N	LT	
Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3	S2S3	N	LT	
Heterodon simus	Southern Hognose Snake	G2	S2	N	N	
Matelea floridana	Florida Spiny-pod	G2	S2	Ν.	LE	
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	Ņ	N	
Nemastylis floridana	Celestial Lily	G2	S2	N	LE	
Neofiber alleni	Round-tailed Muskrat	G3	S3	N	N	
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N .	N.	
Panicum abscissum	Cutthroat Grass	G3	S3	N	LE	
Pituophis melanoleucus mugitus	Florida Pine Snake	G4T3	S3	N	LS	
Podomys floridanus	Florida Mouse	G3	S3	N	LS	
Pteroglossaspis ecristata	Giant Orchid	G2G3	S2	, N	LT	
Rana capito	Gopher Frog	G3	S3	N	LS	

Matrix Unit ID: 25021

Definitions: Documented - Rare species and natural communities documented on or near this site. Documented-Historic - Rare species and natural communities documented, but not observed/reported within the last twenty years.

Likely - Rare species and natural communities likely to occur on this site based on suitable habitat and/or known occurrences in the vicinity. Potential - This site lies within the known or predicted range of the species listed.





Scientific Name	Common Name	Global Rank	State Rank	Federal State Status Listing
Potential	•		:	e de la companya de
Agrimonia incisa Athene cunicularia floridana Calopogon multiflorus Centrosema arenicola Coelorachis tuberculosa Digitaria floridana Drymarchon couperi Gopherus polyphemus Grus canadensis pratensis Heterodon simus Matelea floridana Mustela frenata peninsulae Nemastylis floridana Neofiber alleni Notophthalmus perstriatus Panicum abscissum Pituophis melanoleucus mugitus Podomys floridanus	Incised Groove-bur Florida Burrowing Owl 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	G3 G4T3 G2G3 G2Q G3 G1 G3 G3 G5T2T3 G2 G5T3 G2 G3 G2G3 G3 G4T3 G3	\$2 \$3 \$2\$3 \$2 \$3 \$1 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	N LE LS LE LT N LT N LT N LE N LE N N LE N N N N N N N N N N N
Pteroglossaspis ecristata Rana capito Sciurus niger shermani	Giant Orchid Gopher Frog Sherman's Fox Squirrel	G2G3 G3 G5T3	\$2 \$3 \$3	N LT N LS N LS
Matrix Unit ID: 25022 Potential				•
Agrimonia incisa Athene cunicularia floridana Calopogon multiflorus Centrosema arenicola Coelorachis tuberculosa Digitaria floridana Drymarchon couperi Gopherus polyphemus Grus canadensis pratensis Heterodon simus Matelea floridana Mustela frenata peninsulae Myotis austroriparius Nemastylis floridana Neofiber alleni Notophthalmus perstriatus Pituophis melanoleucus mugitus Podomys floridanus Pteroglossaspis ecristata Rana capito Sciurus niger shermani Stilosoma extenuatum	Incised Groove-bur Florida Burrowing Owl 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 Southeastern Bat Celestial Lily Round-tailed Muskrat Striped Newt Florida Pine Snake Florida Mouse Giant Orchid Gopher Frog Sherman's Fox Squirrel Short-tailed Snake	G3 G4T3 G2G3 G2Q G3 G1 G3 G3 G5T2T3 G2 G5T3 G3G4 G2 G3 G4T3 G3 G4T3 G3 G2G3 G4T3 G3 G5T3 G3	\$2 \$3 \$2 \$3 \$2 \$3 \$1 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	N LE LS LE LS LE LT N LT LT N LE N N LS LS LT LS LS LT N N N N N N N N N N N N N N N N N N

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04/16/2008



Biodiversity Matrix Report

STAT	E
18	51:70
Federal	State

NATUTAL ATTERS INVENTORY Scientific Name	Common Name	Global Rank	State Federal State Rank Status Listing
Matrix Unit ID: 25023			e e e e e e e e e e e e e e e e e e e
Likely		•	
Mesic flatwoods		. 04	04 N N
• • • •		G4	S4 N N
Potential		•	
Agrimonia incisa Asplenium x curtissii Athene cunicularia floridana Calopogon multiflorus Centrosema arenicola Coelorachis tuberculosa Digitaria floridana Drymarchon couperi Gopherus polyphemus Heterodon simus Litsea aestivalis Matelea floridana Mustela frenata peninsulae Myotis austroriparius Nemastylis floridana Neofiber alleni Notophthalmus perstriatus Picoides borealis Pituophis melanoleucus mugitus Podomys floridanus Pteroglossaspis ecristata Rana capito Sciurus niger shermani Spigelia loganioides	Incised Groove-bur Curtiss' Spleenwort Florida Burrowing Owl Many-flowered Grass-pink Sand Butterfly Pea Piedmont Jointgrass Florida Crabgrass Eastern Indigo Snake Gopher Tortoise Southern Hognose Snake Pondspice Florida Spiny-pod Florida Long-tailed Weasel Southeastern Bat Celestial Lily Round-tailed Muskrat Striped Newt Red-cockaded Woodpecker Florida Pine Snake Florida Mouse Giant Orchid Gopher Frog Sherman's Fox Squirrel Pinkroot	G3 GNA G4T3 G2G3 G2Q G3 G1 G3 G2 G5T3 G3G4 G2 G3 G2G3 G3 G4T3 G3 G4T3 G3 G2G3 G3 G4T3 G3 G2G3	S2 N LE S1 N N S3 N LE S2 N LE S3 N LT S1 N N S3 LT LT S3 N LT S2 N LE S2 N LE S3 N N S2 N LE S3 N N S2S3 N N S2 LE LS S3 N LS S4 N LS
Stilosoma extenuatum	Short-tailed Snake	G3	S3 N LT
Matrix Unit ID: 25024			e de la companya del companya de la companya del companya de la co
Likely		·	
Gopherus polyphemus Mesic flatwoods Sandhill Sciurus niger shermani	Gopher Tortoise Sherman's Fox Squirrel	G3 G4 G3 G5T3	S3 N LT S4 N N S2 N N S3 N LS
Potential			
Agrimonia incisa Asplenium heteroresiliens Asplenium x curtissii Athene cunicularia floridana Calopogon multiflorus Centrosema arenicola Coelorachis tuberculosa Digitaria floridana Drymarchon couperi	Incised Groove-bur Wagner's Spleenwort Curtiss' Spleenwort Florida Burrowing Owl Many-flowered Grass-pink Sand Butterfly Pea Piedmont Jointgrass Florida Crabgrass Eastern Indigo Snake	G3 GNA GNA G4T3 G2G3 G2Q G3 G1 G3	S2 N LE S1 N N S1 N N S3 N LS S2S3 N LE S2 N LE S3 N LT S1 N N S3 LT LT

Definitions: Documented - Rare species and natural communities documented on or near this site.





$\sim N$	latural Areas			• •	-	9
41 1 	Scientific Name	Common Name	Global Rank	State Rank::	Federal Status	State Listing
	Forestiera godfreyi	Godfrey's Swampprivet	G2	S2	N	LE
*	Heterodon simus	Southern Hognose Snake	G2	S2	N	N
•	Justicia cooleyi	Cooley's Water-willow	G2	S2	LE	LE
	Litsea aestivalis	Pondspice	G3	S2	N	LE
	Matelea floridana	Florida Spiny-pod	G2	S 2	N	LE
	Monotropsis reynoldsiae	Pygmy Pipes	G1Q	S1	N	LE
	Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N	N
	Myotis austroriparius	Southeastern Bat	G3G4	S3	N	N
	Nemastylis floridana	Celestial Lily	G2	S2	· N	LE
	Neofiber alleni	Round-tailed Muskrat	G3	S3	N	N
	Nolina brittoniana	Britton's Beargrass	·G3	S3	LE	LE
	Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N	N
	Picoides borealis	Red-cockaded Woodpecker	G3	S2	LE	LS
	Pituophis melanoleucus mugitus	Florida Pine Snake	G4T3	S3	Ν	LS
	Podomys floridanus	Florida Mouse	G3	S3	· N	LS
	Pteroglossaspis ecristata	Giant Orchid	G2G3	S2	N	LT
	Pycnanthemum floridanum	Florida Mountain-mint	G3	S3	N	LT
	Rana capito	Gopher Frog	G3	S3	N	LS
	Spigelia loganioides	Pinkroot	G2Q	S2	N	LE
	Stilosoma extenuatum	Short-tailed Snake	G3	S3	N	LT
	Triphora craigheadii	Craighead's Nodding-caps	G1	S1	N	LE
	Ursus americanus floridanus	Florida Black Bear	G5T2	S2	Ν	LT*
Li	ikely Contorno notuntornuo	Combon Todoine	Ca	Co	, , , , , , , , , , , , , , , , , , ,	
	Gopherus polyphemus Mesic flatwoods	Gopher Tortoise	G3 G4	S3 S4	N N	LT .N
	Sandhill		G3	S2	N	.N
	Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS
P.	otential	Sherman's Fox Squitter	GS13		IN	LS
•	•			00		
	Agrimonia incisa	Incised Groove-bur	G3	S2	N	LE
	Asplenium heteroresiliens	Wagner's Spleenwort	GNA	S1	N	N
	Asplenium x curtissii	Curtiss' Spleenwort	GNA	S1	N	N
	Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	N	LS
	Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3	N	LE
	Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	N	LE
	Coelorachis tuberculosa	Piedmont Jointgrass	G3	S3	N	LT
	Digitaria floridana	Florida Crabgrass	G1	S1	N	N
	Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT ·	LT
	Forestiera godfreyi	Godfrey's Swampprivet	G2	S2	N.	LE
	Heterodon simus	Southern Hognose Snake	G2	S2	N	N
	Justicia cooleyi	Cooley's Water-willow	G2	S2	LE	LE
	Matelea floridana	Florida Spiny-pod	G2 ;	S2	N	LE
	Monotropsis reynoldsiae	Pygmy Pipes	G1Q	S1	N	LE
	Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N	N
	Myotis austroriparius	Southeastern Bat	G3G4	S3.	N	N
	Nemastylis floridana	Celestial Lily	G2	S2	N	LE
	Neofiber alleni	Round-tailed Muskrat	G3	S3	N	N

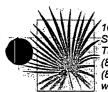
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04/16/2008 Page 9 of 10



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

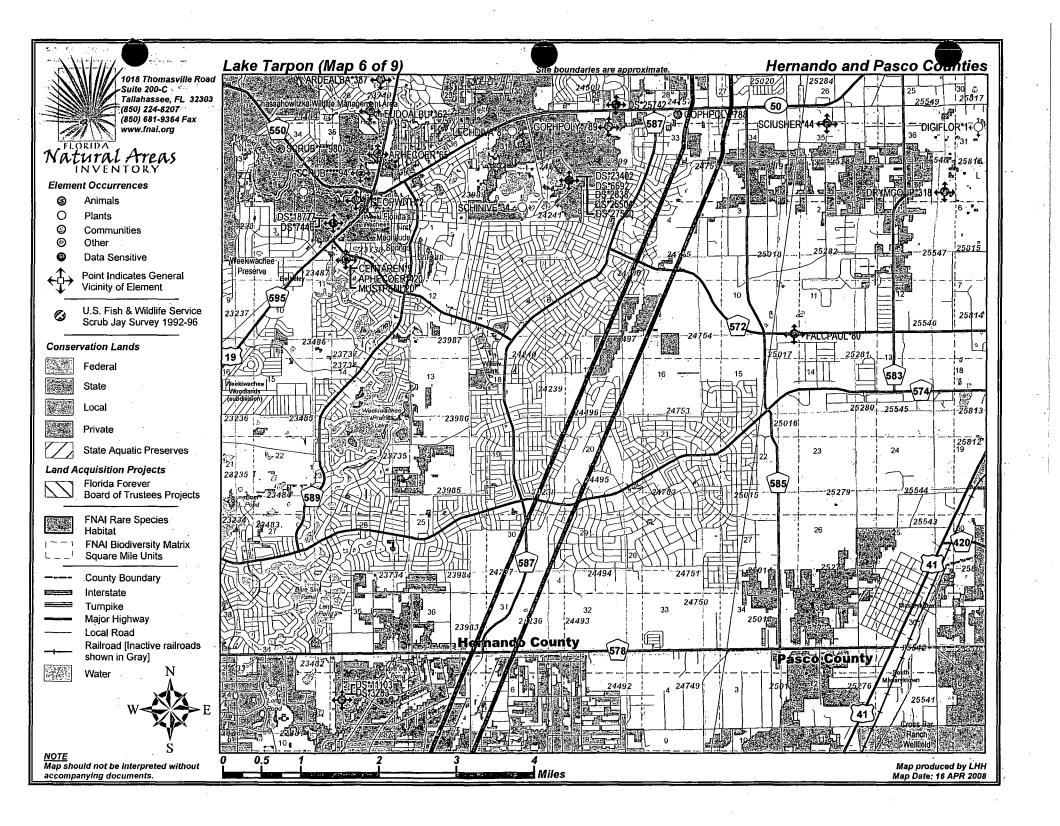
Florida Natural Areas Inventory **Biodiversity Matrix Report**



Common Name	Global Rank	State Federal State Rank Status Listin
Britton's Beargrass	G3	S3 LE LE
Striped Newt	G2G3	S2S3 N N
Red-cockaded Woodpecker	G3	S2 LE LS
Florida Pine Snake	G4T3	S3 N LS
Florida Mouse	. G3	S3 N LS
Giant Orchid	G2G3	S2 N LT
Florida Mountain-mint	G3	S3 N LT
Gopher Frog	G3	S3 N LS
Pinkroot	G2Q	S2 N LE
Short-tailed Snake	G3	S3 N LT
Craighead's Nodding-caps	G1	S1. N LE
Florida Black Bear	G5T2	S2 N LT*
	Britton's Beargrass Striped Newt Red-cockaded Woodpecker Florida Pine Snake Florida Mouse Giant Orchid Florida Mountain-mint Gopher Frog Pinkroot Short-tailed Snake Craighead's Nodding-caps	Common NameRankBritton's BeargrassG3Striped NewtG2G3Red-cockaded WoodpeckerG3Florida Pine SnakeG4T3Florida MouseG3Giant OrchidG2G3Florida Mountain-mintG3Gopher FrogG3PinkrootG2QShort-tailed SnakeG3Craighead's Nodding-capsG1



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INVENT		•	Global	State	Federal	State	Observatio	n	The state of the s
Map Label	Scientific Name	Common Name			Status		Date	Description	EO Comments
SCIUSHER*44	Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S 3	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 Grear 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-oa scrub.	Fruiting specimen collected by J.D. Ray kJr. 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	
·			, ·					on Paola fine sand; development along CR 550 and south of river.	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





INVEN.	TORY		Global	State	Federal	State	Observatio	n .	
Map Label	Scientific Name	Common Name	Rank	Rank	Status	Listing	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
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.
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	Ν,	·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.







INAÉV	ITORY		Global	State	Federal	State	Observatio	n	
Map Label	Scientific Name	Common Name	Rank	Rank	Status	Listing	Date	Description	EO Comments
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).





NVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal St Status Lis	tate ting
Matrix Unit ID: 23981					
Likely					
Grus canadensis pratensis Mesic flatwoods	Florida Sandhill Crane	G5T2T3 G4	S2S3 S4		_T N
Potential				•	
Aimophila aestivalis Calopogon multiflorus Centrosema arenicola Coelorachis tuberculosa Digitaria floridana Drymarchon couperi Gopherus polyphemus Heterodon simus Lechea cemua Litsea aestivalis Matelea floridana Mustela frenata peninsulae Nemastylis floridana Neofiber alleni Nolina atopocarpa Notophthalmus perstriatus Panicum abscissum Platanthera integra Podomys floridanus Pteroglossaspis ecristata Rana capito Salix floridana Sciurus niger shermani Ursus americanus floridanus Warea carteri	Bachman's Sparrow Many-flowered Grass-pink Sand Butterfly Pea Piedmont Jointgrass Florida Crabgrass Eastern Indigo Snake Gopher Tortoise Southern Hognose Snake Nodding Pinweed Pondspice Florida Spiny-pod Florida Long-tailed Weasel Celestial Lily Round-tailed Muskrat Florida Beargrass Striped Newt Cutthroat Grass Yellow Fringeless Orchid Florida Mouse Giant Orchid Gopher Frog Florida Willow Sherman's Fox Squirrel Florida Black Bear Carter's Warea	G3 G2G3 G2Q G3 G1 G3 G3 G2 G5T3 G2 G3 G3 G2G3 G3 G2G3 G3 G2G3 G3 G2G3 G3 G2G3 G3 G2G3 G3 G2G3 G3 G3 G3 G3 G3 G3 G3 G3 G3 G3 G3 G3 G	\$3 \$2\$3 \$2 \$3 \$1 \$3 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	N L N L N L N L N L N L N L N L N L N L	
Matrix Unit ID: 23982					
Likely	**				
Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3	S2S3	N I	LT
Potential					
Aimophila aestivalis Calopogon multiflorus Centrosema arenicola Coelorachis tuberculosa Digitaria floridana Drymarchon couperi Gopherus polyphemus Heterodon simus Lechea cernua Matelea floridana Mustela frenata peninsulae	Bachman's Sparrow Many-flowered Grass-pink Sand Butterfly Pea Piedmont Jointgrass Florida Crabgrass Eastern Indigo Snake Gopher Tortoise Southern Hognose Snake Nodding Pinweed Florida Spiny-pod Florida Long-tailed Weasel	G3 G2G3 G2Q G3 G1 G3 G2 G3 G2 G5T3	\$3 \$2\$3 \$2 \$3 \$1 \$3 \$3 \$2 \$3 \$2 \$3	N	N LE LT N LT LT LT N LT LE N

Definitions: Documented - Rare species and natural communities documented on or near this site.





	STATE	
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Natural Areas					CPGC AT ALL
INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
					
Nemastylis floridana	Celestial Lily	G2	S2	N	LE
Neofiber alleni	Round-tailed Muskrat	G3	S3 5.		$N \gg$
Nolina atopocarpa	Florida Beargrass	G3	S3	N	LT.
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N	N
Panicum abscissum	Cutthroat Grass	G3	S3	N	LE
Platanthera integra	Yellow Fringeless Orchid	G3G4	S3 -	N N	LE
Podomys floridanus	Florida Mouse	G3	S3	N	LS
Pteroglossaspis ecristata	Giant Orchid	G2G3	S2	N	LT
Rana capito Salix flondana	Gopher Frog Florida Willow	G3 G2	S3 · S2 ·	N	LS LE
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N N	LS
Warea carteri	Carter's Warea	G313	S3	LE	LS
vvarea canen	Callel S VValea	GS	. 33	LE.	· LE
Matrix Unit ID: 23983					, · · ·
Matrix Official. 25305			12.4		4
Likely	الموقع الموق الموقع الموقع الموق		+		* .
Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Mesic flatwoods	rionda Sandrilli Grane	G31213	S4	N	N
	and the second of the second o	04	04	14.	
Potential					
Aimophila aestivalis	Bachman's Sparrow	G3	S3	N	N
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	N	ĹŠ
Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3	N ·	LE
Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	Ñ	LE
Coelorachis tuberculosa	Piedmont Jointgrass	G3	S3	N ·	LT
Digitaria floridana	Florida Crabgrass	G1	S1	N	N
Drymarchon couperi	Eastern Indigo Snake	. G3	S3	LŢ	LT
Gopherus polyphemus	Gopher Tortoise	G3	00	. · N	LT
Heterodon simus	Southern Hognose Snake	G2	S2	Ν.	N
Lechea cernua	Nodding Pinweed	G3	S3	′ N	LT
Litsea aestivalis	Pondspice	G3	S2	or en N of	LE
Matelea floridana	Florida Spiny-pod	G2 .	S2	· N	LE
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N	N
Nemastylis floridana	Celestial Lily	G2	S2	· N	LE
Neofiber alleni	Round-tailed Muskrat	G3	. S3	N	- N 🗈
Nolina atopocarpa	Florida Beargrass	G3	S3	N	LT
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N	N
Panicum abscissum	Cutthroat Grass	G3	* S3 :	· N	LE
Platanthera integra	Yellow Fringeless Orchid	G3G4	S3	N	LE
Podomys floridanus	Florida Mouse	G3	S3	N .	LS
Pteroglossaspis ecristata	Giant Orchid	G2G3	S2	- N	LT
Rana capito	Gopher Frog	G3	· S3	N	LS
Salix floridana	Florida Willow	G2	S2	N	LE
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS
Warea carteri	Carter's Warea	G3	S3	LE	LE
Matrix Unit ID. 24025			1.5		
Matrix Unit ID: 24235					
Likely	e de la companya de	•			
Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Cius Canadonsis praterisis	i longa Gananiii Orane	331213	0200	14	≒1

Definitions: Documented - Rare species and natural communities documented on or near this site.





Natural Areas				10	31/
INVENTORY	2	Global	State	Federal	State
Scientific Name	Common Name	Rank .	Rank	Status	Listing
Potential					. *
Aimophila aestivalis	Bachman's Sparrow	G3	S3	N	N
Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3	N	LE
Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	N ·	LE
Coelorachis tuberculosa	Piedmont Jointgrass	G3	S3.	Ν	LT
Digitaria floridana	Florida Crabgrass	G1	S1	N	N
Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	·LT
Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT
Heterodon simus	Southern Hognose Snake	G2	S2	N	· N
Lechea cernua	Nodding Pinweed	G3	S3	N	LT
Matelea floridana	Florida Spiny-pod	G2	S2	N	LE
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N	N
Nemastylis floridana	Celestial Lily	G2	S2	N	LE
Neofiber alleni	Round-tailed Muskrat	G3	S3	N	N
Nolina atopocarpa	Florida Beargrass	G3	S3-	N	LT
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N	N
Panicum abscissum	Cutthroat Grass	G3	` S3	N	LE
Platanthera integra	Yellow Fringeless Orchid	G3G4	S3	N	LE
Podomys floridanus	Florida Mouse	G3	S3	N ,	LS
Rana capito	Gopher Frog	G3	S3 .	N .	LS
Salix floridana	Florida Willow	G2	S2	N	LE
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS
Warea carteri	Carter's Warea	G3	S3	LE	LE
Matrix Unit ID: 24236	•				•
Likely			*		
Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Potential					
Aimophila aestivalis	Bachman's Sparrow	. G3	S3	N	N
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	N	LS
Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3	N	LE
Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	N	LE
Coelorachis tuberculosa	Piedmont Jointgrass	G3	S3	` N	LT
Digitaria floridana	Florida Crabgrass	G1	S1	N	N
Drymarchon couperi	Eastern Indigo Snake	-G3	S3	LT	LT
Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT
Heterodon simus	Southern Hognose Snake	G2	S2	N	N
Lechea cernua	Nodding Pinweed	G3	S3	N	LT
Matelea floridana	Florida Spiny-pod	G2	S2	N	LE
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N	N
Nemastylis floridana	Celestial Lily	G2	S2	N	LE
Neofiber alleni	Round-tailed Muskrat	G3	S3	N	N
Nolina atopocarpa	Florida Beargrass	G3	S3	N	LT ·
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N	N
Panicum abscissum	Cutthroat Grass	G3	S3	N ·	LE
Pituophis melanoleucus mugitus	Florida Pine Snake	G4T3	S3	N	LS
Platanthera integra	Yellow Fringeless Orchid	G3G4	S3	N	LE

Definitions: Documented - Rare species and natural communities documented on or near this site.



Biodiversity Matrix Report



Natural Areas			250	1821		
INVENTORY		Global		Federal		
Scientific Name	Common Name	Rank	Rank	Status	Listing	
Podomys floridanus	Florida Mouse	G3	S3	Ň	LS	
Rana capito	Gopher Frog	G3	S3	N	LS	
Salix floridana	Florida Willow	G2	S2	N	LE	
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N,	LS	
Warea carteri	Carter's Warea	G3	S3	ĹĔ	LE	
Matrix Unit ID: 24237		· · · · · · · · · · · · · · · · · · ·	* *,			
Likely	Wand Out to	0.4				
Mycteria americana	Wood Stork	G4	S2	LE	, LE	
Potential				** * *		
Agrimonia incisa	Incised Groove-bur	G3,4 .	. S2	N	LE	
Aimophila aestivalis	Bachman's Sparrow	G3	S3	N.	N	
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	N	ĹS	
Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3	N	LE	
Centrosema arenicola	Sand Butterfly Pea	G2Q	S2 .	N	LE	
			S3	N	LT	
Coelorachis tuberculosa	Piedmont Jointgrass	G3				
Digitaria floridana	Florida Crabgrass	G1	S1	N	N	
Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	. LT	
Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT	
Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3	S2S3	. N	LT	
Heterodon simus	Southern Hognose Snake	G2	.S2	N	N	
Lechea cernua	Nodding Pinweed	G3	S3	N·	LT	
Matelea floridana	Florida Spiny-pod	G2	S2	Ń	LE	
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N	N	
Nemastylis floridana	Celestial Lily	G2	S2	N	LE	
Neofiber alleni	Round-tailed Muskrat	G3	S3	N	Ñ	
Nolina atopocarpa	Florida Beargrass	G3	S3	N	ĹŤ	
	Striped Newt	G2G3	S2S3	N.	N	
Notophthalmus perstriatus						
Panicum abscissum	Cutthroat Grass	G3	S3	N	LE	
Pituophis melanoleucus mugitus	Florida Pine Snake	G4T3	S3 .	N	LS	
Podomys floridanus	Florida Mouse	G3	S3	, N	, LS	
Rana capito	Gopher Frog	G3	S3	, N	. LS	
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	. N	LS	
Warea carteri	Carter's Warea	G3	S3.	LE	LE	
Matrix Unit ID: 24238						
Likely			:		•	
Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3	S2S3	. N	LT	
Mycteria americana	Wood Stork	G51213 G4	S2 33		LE	
Potential			-			
	Indianal Consumers				. =	
Agrimonia incisa	Incised Groove-bur	- G3	S2	N	LE	
Aimophila aestivalis	Bachman's Sparrow	G3	S3 .	N	N	
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	N	LS	
Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3	N	LE	
Centrosema arenicola	Sand Butterfly Pea	G2Q	S2 .	N	LE	
Coelorachis tuberculosa	Piedmont Jointgrass	G3	S3	Ñ	ĹŤ	
			-	• •		

Definitions: Documented - Rare species and natural communities documented on or near this site.





NATUTAL ATTEAS				F 244	-	
INVENTORY** Scientific Name		Common Name	Global Rank	State Rank	Federal	State Listing
	11 m x .					
Digitaria floridana		Florida Crabgrass	G1.	S1	N	N
Drymarchon couperi		Eastern Indigo Snake	G3	S3	LT	LT
Gopherus polyphemus		Gopher Tortoise	G3	S3	N	LT
Heterodon simus		Southern Hognose Snake	G2	S2	N	N
Lechea cemua		Nodding Pinweed	G3	S3	N	LT
Matelea floridana		Florida Spiny-pod	G2	S2	N	LE
Mustela frenata peninsulae		Florida Long-tailed Weasel	G5T3	S3	N	N
Nemastylis floridana		Celestial Lily	G2	S2	N	LE
Neofiber alleni		Round-tailed Muskrat	G3	S3	N	N
Nolina atopocarpa		Florida Beargrass	G3	S3	N	LT
Notophthalmus perstriatus		Striped Newt	G2G3	S2S3	N	N
Panicum abscissum		Cutthroat Grass	G3	S3	N.	LE
Podomys floridanus		Florida Mouse	G3	S3	N	LS
Rana capito		Gopher Frog	G3	S3	N	LS
Warea carteri	*	Carter's Warea	G3	S3	, LE ·	LE
Mothic Unit ID. 04000	•					
Matrix Unit ID: 24239						
Likely						•
Grus canadensis pratensis	•	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Potential			:			
Agrimonia incisa		Incised Groove-bur	G3	S2	N ·	LE
Aimophila aestivalis		Bachman's Sparrow	G3	S3	N	N
Athene cunicularia floridana		Florida Burrowing Owl	G4T3	· S3	Ň	LS
Calopogon multiflorus		Many-flowered Grass-pink	G2G3	S2S3	N	LE
Centrosema arenicola		Sand Butterfly Pea	G2Q	S2	N	LE
Coelorachis tuberculosa		Piedmont Jointgrass	G3	S3	N	LT
Digitaria floridana		Florida Crabgrass	G1	S1	N	N
Drymarchon couperi		Eastern Indigo Snake	G3	S3	LT	LT
Gopherus polyphemus		Gopher Tortoise	G3	S3	N	LT
Heterodon simus		Southern Hognose Snake	G2	S2	N	N
Lechea cernua		Nodding Pinweed	G3	S3	N	LT
Matelea floridana		Florida Spiny-pod	G2	S2	N	LE
Mustela frenata peninsulae		Florida Long-tailed Weasel	G5T3	S3	N	N
Nemastylis floridana		Celestial Lily	G2	S2	N	LE
Neofiber alleni		Round-tailed Muskrat	G3	S3	N	N
Notophthalmus perstriatus		Striped Newt	G2G3	S2S3	N	Ň
Panicum abscissum		Cutthroat Grass	G3	S3	N	LE
Podomys floridanus		Florida Mouse	G3	S3	N	LS
Rana capito		Gopher Frog	G3	S3	Ň	ĹŠ
Sciurus niger shermani		Sherman's Fox Squirrel	G5T3	S3	N	LS
Warea carteri		Carter's Warea	G3	S3	ĹĒ	ĹĔ
Matrix Unit ID: 24494						
Likely						
Mesic flatwoods		y e	G4	S4	N	N
Potential						- -

Definitions: Documented - Rare species and natural communities documented on or near this site.



Florida Natural Areas Inventory

Biodiversity Matrix Report



Natural Areas				10	ع کرتھ
Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Agrimonia incisa	Incised Groove-bur	G3	S2	N	LE
Aimophila aestivalis	Bachman's Sparrow	G3	S3	N	N
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	. N	LS
Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3	·N	LE
Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	N	LE
Coelorachis tuberculosa	Piedmont Jointgrass	G3	S3	N	LT
Digitaria floridana	Florida Crabgrass	G1	S1	. N	N
Drymarchon couperi	Eastern Indigo Snake	G3	S3	ĹT	LT
Gopherus polyphemus	Gopher Tortoise	G3	- S3	N	LT
Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3	S2S3	N .	iΤ
Gymnopogon chapmanianus	Chapman's Skeletongrass	G3	. S3	N	³⁴ N
Heterodon simus	Southern Hognose Snake	G2.	S2	N ,	. N
Lechea cemua	Nodding Pinweed	G3	S3	N	LT
Litsea aestivalis	Pondspice	G3	S2	N	LE
Matelea floridana	Florida Spiny-pod	G2	S2	N	LE
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	Ň	N
Nemastylis floridana	Celestial Lily	G2	S2		LE.
Neofiber alleni	Round-tailed Muskrat	G3	S3	N	N
Nolina atopocarpa	Florida Beargrass	G3	S3	Ñ	LT
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N	N
_ Panicum abscissum	Cutthroat Grass	G3	S3	N	LE
Pituophis melanoleucus mugitus	Florida Pine Snake	G4T3	S3	Ñ	LS
Podomys floridanus	Florida Mouse	G3	S3	Ň	ĹŠ
Rana capito	Gopher Frog	G3	S3	N	LS
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS
Warea carteri	Carter's Warea	G3	S3	LE	LE
			1.77		<u></u>
Matrix Unit ID: 24495	and the second s				- <u>.</u>
Likely					4. S
Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Potential			* 1		
Agrimonia incisa	Incised Groove-bur	G3	S2	N	. LE
Agrimoriia incisa Aimophila aestivalis	Bachman's Sparrow	G3	S3	N	N
Aphelocoma coerulescens	Florida Scrub-jay	G2	S2	LT	LT
Asplenium x curtissii	Curtiss' Spleenwort	GNA	S1	N	N
Aspieriiani x curussii Athene cunicularia floridana	Florida Burrowing Owl	GAT3	S3	N	LS
	Many-flowered Grass-pink	G2G3	S2S3	N	LS
Calopogon multiflorus Centrosema arenicola	Sand Butterfly Pea	G2Q3	S2	N	LE
Coelorachis tuberculosa	Piedmont Jointgrass	G2 Q	S3	N	LT
	Florida Crabgrass	G3 G1	S1	N N	N
Digitaria floridana Drymarchon couperi	Eastern Indigo Snake	- G3	S3	LT	LT
	Gopher Tortoise	G3	S3		LT
Gopherus polyphemus		G3	S3	N	
Gymnopogon chapmanianus Heterodon simus	Chapman's Skeletongrass			N KI	N ,
	Southern Hognose Snake	G2	S2	Ń	N
Lechea cernua	Nodding Pinweed	. G3	S3	N	LT
Litsea aestivalis	Pondspice	G3	S2	N.	LE
Matelea floridana	Florida Spiny-pod	G2	S2	N	LE
Monotropsis reynoldsiae	Pygmy Pipes	G1Q	S1	N	LE

Definitions: Documented - Rare species and natural communities documented on or near this site.





Natural Areas					
Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N	N
Nemastylis floridana	Celestial Lily	G2	S2	N	LE
Neofiber alleni	Round-tailed Muskrat	G2 G3	S3	N -	N
Neoliber allerii Nolina atopocarpa	Florida Beargrass	G3	S3	N ·	LT
Notonbtholmus paretriatus	Striped Newt	G2G3	S2S3	N	N
Notophthalmus perstriatus Panicum abscissum	Cutthroat Grass	G2G3	S3 ·	N	LE
	Florida Pine Snake	G4T3	S3	N.	LS
Pituophis melanoleucus mugitus Podomys floridanus	Florida Mouse	G3	S3	N	LS
Rana capito	Gopher Frog	G3	S3	N	LS
Schizachyrium niveum	Scrub Bluestem	G1	S1	N	LE
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS
Warea carteri	Carter's Warea	G3	S3	LE	LE
vvarea carteri	Carter's vvalea		33	LE	ᄕ
Matrix Unit ID: 24496	HOLE TO THE STATE OF THE STATE				
Matrix Official. 24430				*	
Likely	•		•		
Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3	S2S3	N-	LT
Sandhill	,	G3	S2	N	N
Potential			4.5		
Agrimonia incisa	Incised Groove-bur	G3	S2	N	LE
Aimophila aestivalis	Bachman's Sparrow	G3	S3	N	N
Asplenium x curtissii	Curtiss' Spleenwort	GNA	S1	N	N
Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3	N	ĽĒ
Centrosema arenicola	Sand Butterfly Pea	G2Q3	S2.	N	LE
Coelorachis tuberculosa	Piedmont Jointgrass	G2 Q	S3	N	LT
Digitaria floridana	Florida Crabgrass	G1	S1	N	N
Drymarchon couperi	Eastern Indigo Snake	- G3	S3	LT	LT
Gopherus polyphemus	Gopher Tortoise	G3	S3	N .	ĹŤ
Gymnopogon chapmanianus	Chapman's Skeletongrass	G3	S3 ⁻	N	N
Heterodon simus	Southern Hognose Snake	G2	S2	N	N
Lechea cernua	Nodding Pinweed	G3 `	S3	N	LT
Litsea aestivalis	Pondspice	G3	S2	N	LE
Matelea floridana	Florida Spiny-pod	G2	S2	Ň	LE
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	· N	N
Nemastylis floridana	Celestial Lily	G2	S2	Ň	ĹĒ
Neofiber alleni	Round-tailed Muskrat	G3	S3	N	N
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N	N
Panicum abscissum	Cutthroat Grass	G3	S3	N	LE
Pituophis melanoleucus mugitus	Florida Pine Snake	G4T3	S3	N	LS
Podomys floridanus	Florida Mouse	G3	S3	N	LS
Pteroglossaspis ecristata	Giant Orchid	G2G3	S2	N	LT
Rana capito	Gopher Frog	G2G3	S3	N	LS
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N N	LS
Warea carteri	Carter's Warea	G3	S3	LE	LE
waiea Caileii	Carter 3 Warea		33		
Matrix Unit ID: 24497	e.				
Likely	•				
Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3	S2S3	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. Potential - This site lies within the known or predicted range of the species listed.





Natural Areas	•			d 3	17.00
•		Global		Federal	State
Scientific Name	Common Name	Rank	Rank	Status	Listing
Sandhill		G3.	S2	N	N
Potential			E Comment		6 X
Agrimonia incisa	Incised Groove-bur	G3	S2	N	LE
Agrinoriia ircisa Aimophila aestivalis	Bachman's Sparrow	G3.	S3 .	N	N
	Many-flowered Grass-pink	G2G3	S2S3	N	LE
Calopogon multiflorus Centrosema arenicola		G2Q3	S2 S2	N	LE
Coelorachis tuberculosa	Sand Butterfly Pea Piedmont Jointgrass	G2 G	S3 _.	N	LT
	Florida Crabgrass	G3 G1	S1	N	N
Digitaria floridana		G3	\$3	LT	LT
Drymarchon couperi	Eastern Indigo Snake Gopher Tortoise	G3	S3	N	LT
Gopherus polyphemus		G2	S2	N	N
Heterodon simus	Southern Hognose Snake		S3	N	LT
Lechea cemua	Nodding Pinweed	- G3		N	LE
Matelea floridana	Florida Spiny-pod	G2	S2.	N	N
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3 ⁻	N N	LE
Nemastylis floridana	Celestial Lily	G2	S2 S3	N N	N
Neofiber alleni	Round-tailed Muskrat	G3		N N	N
Notophthalmus perstriatus Panicum abscissum	Striped Newt	G2G3	S2S3	N	LE
	Cutthroat Grass	G3 G3	S3 S3	N N	LS
Podomys floridanus	Florida Mouse Giant Orchid	G2G3	S2	N	LT
Pteroglossaspis ecristata		G2G3	S3 .	N	LS
Rana capito Sciurus niger shermani	Gopher Frog Sherman's Fox Squirrel	G5T3	S3	N.	LS
Warea carteri	Carter's Warea	G313	S3	LE	LE
yvarea carteri	Callel S Walea	GS	ې		
Matrix Unit ID: 24498			44 (,
Likely				· ' •'	
		· ·	26.2.		
Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Lechea divaricata	Pine Pinweed	G2	S2	N	LE
Procambarus leitheusen	Coastal Lowland Cave Crayfish	G1G2	S1S2	N	. , N
Sandhill	.: "	G3	S2	N	. N
Potential					
Agrimonia incisa	Incised Groove-bur	G3	S2	N	LE
Aimophila aestivalis	Bachman's Sparrow	G3 .	S3	N	N
Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3	N	LE
Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	N	LE
Coelorachis tuberculosa	Piedmont Jointgrass	G3	S3 .	Ň	LT
Digitaria floridana	Florida Crabgrass	G1:	S1	. N	N N
Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT
Gopherus polyphemus	Gopher Tortoise	G3 ,	S3	N.	ĹŤ
Heterodon simus	Southern Hognose Snake	G2	S2	N	N
Lechea cemua	Nodding Pinweed	G2 G3	S3	. N	ĹŤ
Matelea floridana	Florida Spiny-pod	G2	S2	N	LE
Mustelea ilondaria Mustela frenata peninsulae	Florida Spiriy-pou Florida Long-tailed Weasel	G5T3	S3	N	N
Nemastylis floridana	Celestial Lily	G2	S2	. N	LE
Neofiber alleni	Round-tailed Muskrat	G2 G3	S3	N	N
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N	N
Panicum abscissum	Cutthroat Grass	G2 G3	S3	N	LE
1 amount absolution	Outtinoat Grass	00	99	1.4	

Definitions: Documented - Rare species and natural communities documented on or near this site.





Natural Areas		•		18	<u>51</u>
INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Podomys floridanus Rana capito Schizachyrium niveum Sciurus niger shermani	Florida Mouse Gopher Frog Scrub Bluestem Sherman's Fox Squirrel	G3 G3 G1 G5T3	S3 S3 S1 S3	N N N N	LS LS LE LS
Matrix Unit ID: 24754					
Likely					
<i>Grus canadensis pratensis</i> Sandhill	Florida Sandhill Crane	G5T2T3 G3	\$2\$3 \$2	: N N	LT N
Potential					
Agrimonia incisa Calopogon multiflorus Centrosema arenicola Coelorachis tuberculosa Digitaria floridana Drymarchon couperi Gopherus polyphemus Heterodon simus Lechea cernua Matelea floridana Mustela frenata peninsulae Nemastylis floridana Neofiber alleni Notophthalmus perstriatus Panicum abscissum Podomys floridanus Pteroglossaspis ecristata Rana capito Sciurus niger shermani Ursus americanus floridanus Warea carteri	Incised Groove-bur Many-flowered Grass-pink Sand Butterfly Pea Piedmont Jointgrass Florida Crabgrass Eastern Indigo Snake Gopher Tortoise Southern Hognose Snake Nodding Pinweed Florida Spiny-pod Florida Long-tailed Weasel Celestial Lily Round-tailed Muskrat Striped Newt Cutthroat Grass Florida Mouse Giant Orchid Gopher Frog Sherman's Fox Squirrel Florida Black Bear Carter's Warea	G3 G2G3 G2Q G3 G1 G3 G3 G2 G5T3 G2 G3 G3 G3 G2G3 G3 G5T3 G5T2 G3	\$2 \$2\$3 \$2 \$3 \$1 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	Tzzzzzzzzzzzz	EEETNTTNTENENNESTSS*E
Matrix Unit ID: 24755					c
Likely	•				
Grus canadensis pratensis Sandhill	Florida Sandhill Crane	G5T2T3 G3	S2S3 S2	N N	LT N
Potential	·				•
Agrimonia incisa Calopogon multiflorus Centrosema arenicola Coelorachis tuberculosa Digitaria floridana Drymarchon couperi Gopherus polyphemus Heterodon simus Lechea cemua	Incised Groove-bur Many-flowered Grass-pink Sand Butterfly Pea Piedmont Jointgrass Florida Crabgrass Eastern Indigo Snake Gopher Tortoise Southern Hognose Snake Nodding Pinweed	G3 G2G3 G2Q G3 G1 G3 G3 G2 G3	\$2 \$2\$3 \$2 \$3 \$1 \$3 \$3 \$3 \$2 \$3	2 2 2 2 T 2 2 2	LE LE LT N LT LT LT

Definitions: Documented - Rare species and natural communities documented on or near this site.





Natural Areas	,	,	* 11		F 100 8
INVENTORY	· ·	Global	State	Federal	State
Scientific Name	Common Name	Rank	Rank	Status	Listing
Matelea floridana	Florida Spiny-pod	G2	S2 :	N	LE
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N	· N
Nemastylis floridana	Celestial Lily	G2	S2	N	LE
Neofiber alleni	Round-tailed Muskrat	G3	S3	N	N
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N	Ň
Panicum abscissum	Cutthroat Grass	G3	S3	N.	LE
Podomys floridanus	Florida Mouse	. G3	S3	N	LS
Pteroglossaspis ecristata	Giant Orchid	G2G3	S2	N	LT
Rana capito	Gopher Frog	G3	S3	N	ĹS
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS
Ursus americanus floridanus	Florida Black Bear	G5T2	S2	N	LT*
atrix Unit ID: 24756					* ; * ; * [%]
			€		***
Likely	r e		,		•
Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Lechea divaricata	Pine Pinweed	G2	S2	N	ĹĖ
Mesic flatwoods	Tille Tillweed	G4	S4	N	N
Sandhill	• • • • • • • • • • • • • • • • • • • •	G3	S2.	N.	N
Caridiiii		00	02.	14 .	14
Potential					* *
Agrimonia incisa	Incised Groove-bur	G3	S2	N	LE
Aphelocoma coerulescens	Florida Scrub-jay	G2	· S2	LT	LT
Blechnum occidentale	Sinkhole Fern	G5	S1	N	ĹΕ
Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3	·N	LE
Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	N	LE
Coelorachis tuberculosa	Piedmont Jointgrass	G2 G	S3	N	LT
	Florida Crabgrass	. G3	S1	N	N
Digitaria floridana			S3 ,	LT	LT
Drymarchon couperi	Eastern Indigo Snake	G3			
Gopherus polyphemus	Gopher Tortoise	G3	S3	N	ĻŢ
Heterodon simus	Southern Hognose Snake	G2	S2	N	. <u>N</u>
Matelea floridana	Florida Spiny-pod	G2	S2	N	LE
Monotropsis reynoldsiae	Pygmy Pipes	G1Q	S1	N	LE
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3 -	N	N
Nemastylis floridana	Celestial Lily	G2	S2	N.	LE
Neofiber alleni	Round-tailed Muskrat	G3	S3	Ň	N
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N	N-
Panicum abscissum	Cutthroat Grass	G3	S3	N	LE
Podomys floridanus	Florida Mouse	G3	S3	N.	LS
Pteroglossaspis ecristata	Giant Orchid	G2G3	S2	N .	LT
Rana capito	Gopher Frog	G3	S3	N	LS
Schizachyrium niveum	Scrub Bluestem	G1	S1	. N	LE
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS
Ursus americanus floridanus	Florida Black Bear	G5T2	S2	N	LT*
atrix Unit ID: 24757					
Documented					
Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT

Definitions: Documented - Rare species and natural communities documented on or near this site.





Natural Areas			,	1 20	<u> </u>
Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Likely	!				ety T
<i>Grus canadensis pratensis</i> <i>Lechea divaricata</i> Sandhill	Florida Sandhill Crane Pine Pinweed	G5T2T3 G2 G3	\$2\$3 \$2 \$2	N N N	LT LE N
Potential				•	
Agrimonia incisa Aphelocoma coerulescens Blechnum occidentale Calopogon multiflorus Centrosema arenicola Coelorachis tuberculosa Digitaria floridana Drymarchon couperi Heterodon simus Matelea floridana Monotropsis reynoldsiae Mustela frenata peninsulae Nemastylis floridana Neofiber alleni Notophthalmus perstriatus Panicum abscissum Podomys floridanus Rana capito Schizachyrium niveum Sciurus niger shermani	Incised Groove-bur Florida Scrub-jay Sinkhole Fern Many-flowered Grass-pink Sand Butterfly Pea Piedmont Jointgrass Florida Crabgrass Eastern Indigo Snake Southern Hognose Snake Florida Spiny-pod Pygmy Pipes Florida Long-tailed Weasel Celestial Lily Round-tailed Muskrat Striped Newt Cutthroat Grass Florida Mouse Gopher Frog Scrub Bluestem Sherman's Fox Squirrel	G3 G2 G5 G2G3 G2Q G3 G1 G3 G2 G4 G5T3 G2 G3 G3 G3 G3 G1 G5T3	\$2 \$2 \$1 \$2\$3 \$2 \$3 \$1 \$3 \$2 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	22222222222222222	ETEELT NIT NEENEN NEESELS
Matrix Unit ID: 25019					
Likely Grus canadensis pratensis Mesic flatwoods Sandhill Sciurus niger shermani	Florida Sandhill Crane Sherman's Fox Squirrel	G5T2T3 G4 G3 G5T3	\$2\$3 \$4 \$2 \$3	N N N N	LT N N LS
Potential					
Agrimonia incisa Athene cunicularia floridana Calopogon multiflorus Centrosema arenicola Coelorachis tuberculosa Digitaria floridana Drymarchon couperi Gopherus polyphemus Heterodon simus Lechea cemua Matelea floridana Mustela frenata peninsulae Nemastylis floridana	Incised Groove-bur Florida Burrowing Owl Many-flowered Grass-pink Sand Butterfly Pea Piedmont Jointgrass Florida Crabgrass Eastern Indigo Snake Gopher Tortoise Southern Hognose Snake Nodding Pinweed Florida Spiny-pod Florida Long-tailed Weasel Celestial Lily	G3 G4T3 G2G3 G2Q G3 G1 G3 G2 G3 G2 G5T3 G2	\$2 \$3 \$2\$3 \$2 \$3 \$1 \$3 \$3 \$2 \$3 \$2 \$3 \$2	zzzzztzzzzz	LE LE LT N LT N LT N LE N LE N LE

Definitions: Documented - Rare species and natural communities documented on or near this site.

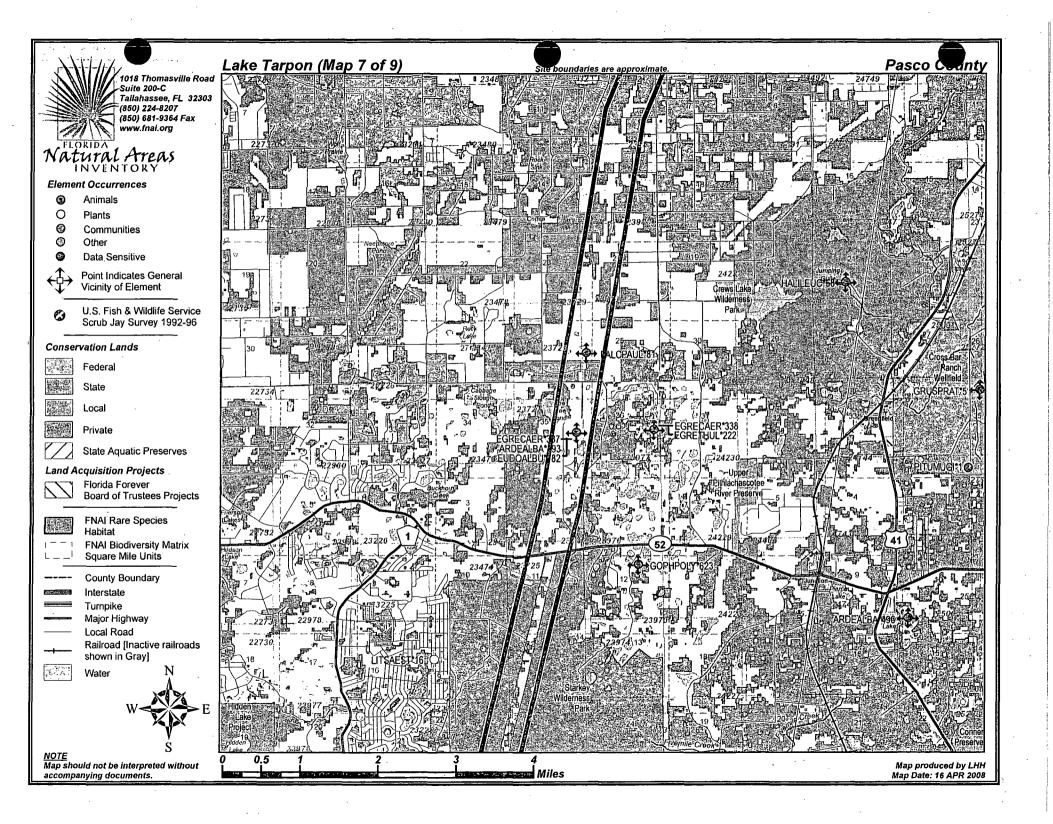




Natural Areas		(85)
INVENTORY		Global State Federal State
Scientific Name	Common Name.	Rank Rank Status Listing
Neofiber alleni	Round-tailed Muskrat	G3 S3 N N
Notophthalmus perstriatus	Striped Newt	G2G3 S2S3 N N
Panicum abscissum	Cutthroat Grass	G3 S3 N LE
Pituophis melanoleucus mugitus	Florida Pine Snake	G4T3 S3 N LS
Podomys floridanus	Florida Mouse	G3 S3 N LS
Pteroglossaspis ecristata	Giant Orchid	G2G3 S2 N LT
Rana capito	Gopher Frog	G3 S3 N LS
Ursus americanus floridanus	Florida Black Bear	G5T2 S2 N LT*
	and the second of the second o	A Service Control of the Control of
Matrix Unit ID: 25020		to stand on the second
Likely	$\mathcal{A}_{ij} = \mathcal{A}_{ij} = \mathcal{A}$	
Mesic flatwoods	Both Control of the C	G4 S4 N N
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3 S3 N LS
	one.mano non equinor	
Potential	en e	and the second s
Agrimonia incisa	Incised Groove-bur	G3 S2 N LE
Calopogon multiflorus	Many-flowered Grass-pink	G2G3 S2S3 N LE
Centrosema arenicola	Sand Butterfly Pea	G2Q S2 N LE
Coelorachis tuberculosa	Piedmont Jointgrass	G3 S3 N LT
Digitaria floridana	Florida Crabgrass	G1 S1 N N
Drymarchon couperi	Eastern Indigo Snake	G3 S3 LT LT
Gopherus polyphemus	Gopher Tortoise	G3 S3 N LT
Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3 S2S3 N LT
Heterodon simus	Southern Hognose Snake	G2 S2 N N
Matelea floridana	Florida Spiny-pod	G2 S2 N LE
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3 S3 N N
Nemastylis floridana	Celestial Lily	G2 S2 N LE
Neofiber alleni	Round-tailed Muskrat	G3 S3 N N
Notophthalmus perstriatus	Striped Newt	G2G3 S2S3 N N
Panicum abscissum	Cutthroat Grass	G3 S3 N LE
Pituophis melanoleucus mugitus	Florida Pine Snake	G4T3 S3 N LS
Podomys floridanus	Florida Mouse	G3 S3 N LS
Pteroglossaspis ecristata	Giant Orchid	G2G3 S2 N LT
Rana capito	Gopher Frog	G3 S3 N LS



Definitions: Documented - Rare species and natural communities documented on or near this site.











INVENT	ORY		Global	State	Federa	I State	Observation	n	
Map Label	Scientific Name	Common Name	Rank	Rank	Status	Listing	Date	<u>Description</u>	EO Comments
EUDOALBU*182	Eudocimus albus	White Ibis	G 5	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 T	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)



Florida Natural Areas Inventory

ELEMENT OCCURRENCES DOCUMENTED ON OR NEAR PROJECT SITE



INVEN	Global	State	Federal	State	Observation	า	,		
Map Label	Scientific Name	Common Name	Rank	Rank	Status	Listing	Date	Description	EO Comments
GOPHPOLY*623	Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT	1988-02	SAND PINE, 30-35'; SANDY LOOSE SOILS ADJACENT TO EXTENSIVE WETLANDS, ALSO	3 INDIVIDUALS; NUMEROUS BURROWS.
			é					LIVEOAK FOREST IN SIMILAR LOCATION.	
LITSAEST*16	Litsea aestivalis	Pondspice	G3	S2	. N	LE 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





INVENTORY		Global	State	Federal	State
Scientific Name	Common Name	Rank	Rank		Listing
Matrix Unit ID: 23472		,		•	
•		eriore de la companya de la company La companya de la co			
Likely				•	
Aphelocoma coerulescens Drymarchon couperi Grus canadensis pratensis Litsea aestivalis Mesic flatwoods Mycteria americana Sandhill Scrub	Florida Scrub-jay Eastern Indigo Snake Florida Sandhill Crane Pondspice Wood Stork	G2 G3 G5T2T3 G3 G4 G4 G3 G2	\$2 \$3 \$2\$3 \$2 \$4 \$2 \$2 \$2 \$2	LT LT N N N LE N	LT LT LE N LE N
Potential			e de Editor	1.7	
Aimophila aestivalis Athene cunicularia floridana Calopogon multiflorus Centrosema arenicola Corynorhinus rafinesquii Gopherus polyphemus Heterodon simus Lechea cernua Lechea divaricata Mustela frenata peninsulae Nemastylis floridana Neofiber alleni Notophthalmus perstriatus Platanthera integra Podomys floridanus Rana capito Rostrhamus sociabilis plumbeus Ursus americanus floridanus	Bachman's Sparrow Florida Burrowing Owl Many-flowered Grass-pink Sand Butterfly Pea Rafinesque's Big-eared Bat Gopher Tortoise Southern Hognose Snake Nodding Pinweed Pine Pinweed Florida Long-tailed Weasel Celestial Lily Round-tailed Muskrat Striped Newt Yellow Fringeless Orchid Florida Mouse Gopher Frog Snail Kite Florida Black Bear	G3 G4T3 G2G3 G2Q G3G4 G3 G2 G3 G2 G5T3 G2 G3 G2G3 G3G4 G3 G3 G4G5T3Q G5T2	\$3 \$3 \$2 \$2 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	NSEENT NTENENNESSET*
Matrix Unit ID: 23473					
Likely Grus canadensis pratensis Litsea aestivalis Mesic flatwoods Mycteria americana Sandhill	Florida Sandhill Crane Pondspice Wood Stork	G5T2T3 G3 G4 G4 G3	S2S3 S2 S4 S2 S2 S2	N N N L E N	LT LE N LE N
Potential					
Aimophila aestivalis Athene cunicularia floridana Calopogon multiflorus Centrosema arenicola Drymarchon couperi Gopherus polyphemus Heterodon simus Lechea cernua	Bachman's Sparrow Florida Burrowing Owl Many-flowered Grass-pink Sand Butterfly Pea Eastern Indigo Snake Gopher Tortoise Southern Hognose Snake Nodding Pinweed	G3 G4T3 G2G3 G2Q G3 G3 G2 G3	\$3 \$3 \$2\$3 \$2 \$3 \$3 \$2 \$3	N N N N T N N N	N LS LE LE LT LT N LT

Definitions: Documented - Rare species and natural communities documented on or near this site.





Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Mustela frenata peninsulae Nemastylis floridana	Florida Long-tailed Weasel Celestial Lily	G5T3 G2	S3 S2	N N	N LE
Neofiber alleni	Round-tailed Muskrat	G3	S3	N	N
	Striped Newt	G2G3			N
Notophthalmus perstriatus Platanthera integra		G2G3 G3G4	S2S3 S3	N N	LE
	Yellow Fringeless Orchid	G3	S3	N	LS
Podomys floridanus	Florida Mouse	G3			LS
Rana capito	Gopher Frog		S3 ⁻	N	
Sciurus niger shermani Ursus americanus floridanus	Sherman's Fox Squirrel Florida Black Bear	G5T3 G5T2	S3 S2	N N	LS LT*
trix Unit ID: 23474					
Likely	· 60 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -	•			•
•		G2	S2 -1	N	N
Dry prairie Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3	S2S3		LT
Litsea aestivalis	•	G31213	S2	N	· LE
Mesic flatwoods	Pondspice			N	
·	Wood Stork	G4 G4	S4 S2	N	N LE
Mycteria americana Sandhill	vvood Stork	G4 G3		LE	
			S2	N	N
Sandhill upland lake		G3	S2	N	N
Potential					
Aimophila aestivalis	Bachman's Sparrow	G3	S3	N	N
Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3	N	LE
Centrosema arenicola	Sand Butterfly Pea	· G2Q	S2	N	LE
Corynorhinus rafinesquii	Rafinesque's Big-eared Bat	G3G4	S2	Ν	N
Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT
Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT
Heterodon simus	Southern Hognose Snake	G2	S2	N	N
Lechea cemua	Nodding Pinweed	G3	S3	Ň	LT "
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	Ň	N
Nemastylis floridana	Celestial Lily	G2	S2	N	LE
Neofiber alleni	Round-tailed Muskrat	G3	S3	N	N
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	Ň	N
Platanthera integra	Yellow Fringeless Orchid	G3G4	S3	Ň	LE
Podomys floridanus	Florida Mouse	G3	S3	N	LS
Rana capito	Gopher Frog	G3	S3	N	LS
		G5T3	S3		LS
Sciurus niger shermani Ursus americanus floridanus	Sherman's Fox Squirrel Florida Black Bear	G5T2	S2	N N	LT*
atrix Unit ID: 23723					•
Likely		•			
Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Mesic flatwoods	i iona canami ciane	G4	S4	N	N
	Wood Stork	. G4			
Mycteria americana	VYOUL SLOPK		S2	LE	LE .
Sandhill Scrub	•	G3 G2	S2 S2	N N	N N
SCHOOL		(1)	57	· N	NI.

Definitions: Documented - Rare species and natural communities documented on or near this site.





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Natural Areas			sh
INVENTORY			State
Scientific Name	Common Name	Rank Rank Status L	isting
Aimophila aestivalis	Bachman's Sparrow	G3 S3 N	N
Athene cunicularia floridana	Florida Burrowing Owl	G4T3 S3 N	ĹŠ
Calopogon multiflorus	Many-flowered Grass-pink	G2G3 S2S3 N	LE
Centrosema arenicola	Sand Butterfly Pea	G2Q S2 N	LE
Coelorachis tuberculosa	Piedmont Jointgrass	G3 S3 N	LT
Corynorhinus rafinesquii	Rafinesque's Big-eared Bat	G3G4 S2 N	N
Drymarchon couperi	Eastern Indigo Snake	G3 S3 LT	LT
	Gopher Tortoise		
Gopherus polyphemus		G3 S3 N	LT
Gymnopogon chapmanianus	Chapman's Skeletongrass	G3 S3 N	N
Heterodon simus	Southern Hognose Snake	G2 S2 N	N
Lechea cernua	Nodding Pinweed	G3. S3 N	LŢ,
Lechea divaricata	Pine Pinweed	G2 S2 N	LE
Litsea aestivalis	Pondspice	G3 S2 N	ĽĒ
Matelea floridana.	Florida Spiny-pod	G2 S2 N	LE
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3 S3 N	N
Nemastylis floridana	Celestial Lily	G2 S2 N	LE
Neofiber alleni	Round-tailed Muskrat	G3 S3 N	, N
Nolina atopocarpa	Florida Beargrass	G3 S3 N	LT
Notophthalmus perstriatus	Striped Newt	G2G3 S2S3 N	N
Panicum abscissum	Cutthroat Grass	G3 S3 N	LE
Picoides borealis	Red-cockaded Woodpecker	G3 S2 LE	LS
Platanthera integra	Yellow Fringeless Orchid	G3G4 S3 N	LE
Podomys floridanus	Florida Mouse	G3 S3 N	LS
Pteroglossaspis ecristata	Giant Orchid	G2G3 S2 N	LT
Rana capito	Gopher Frog	G3 S3 N	LS
Rostrhamus sociabilis plumbeus	Snail Kite		LE
Ursus americanus floridanus	Florida Black Bear	G5T2 S2 N	LT*
Warea carteri	Carter's Warea	G3 S3 LE	LE
Matrix Unit ID: 23724			
g · · · · · ·			
Likely			
Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3 S2S3 N	LT
Mesic flatwoods	seminate participation of	G4 S4 N	N
Mycteria americana	Wood Stork	G4 S2 LE	LE
Sandhill	f(x) = f(x)	G3 S2 N	. N
Potential	Salar Barrell State South		
Aimophila aestivalis	Bachman's Sparrow	G3 S3 N	N
Athene cunicularia floridana	Florida Burrowing Owl	G4T3 S3 N	ĹS
Calopogon multiflorus	Many-flowered Grass-pink	G2G3 S2S3 N	LE
Centrosema arenicola	Sand Butterfly Pea	G2Q S2 N	LE
Coelorachis tuberculosa	Piedmont Jointgrass	G3 S3 N	LT
Corynorhinus rafinesquii	Rafinesque's Big-eared Bat		N
Drymarchon couperi	Eastern Indigo Snake	G3 S3 LT	LT
Gopherus polyphemus	Gopher Tortoise	G3 S3 N	LT
Gymnopogon chapmanianus	Chapman's Skeletongrass	G3 S3 N	N
Heterodon simus	Southern Hognose Snake	G2	N
Lechea cernua	Nodding Pinweed	G3 S3 N	LT
Litsea aestivalis	Pondspice	G3 S2 N	LE
-			

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	INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
	Matelea floridana	Florida Spiny-pod	G2	S2	N;	LE
	Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3 ⁻	N	N
	Nemastylis floridana	Celestial Lily	G2	S2	N	LE
	Neofiber alleni	Round-tailed Muskrat	G3	S3	N	N
	Nolina atopocarpa	Florida Beargrass	G3	S3	N	. LT
	Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N	N
	Panicum abscissum	Cutthroat Grass	G3	S3	N	LE
	Platanthera integra	Yellow Fringeless Orchid	G3G4	S3	N	LE
	Podomys floridanus	Florida Mouse	G3	S3	N	LS
	Pteroglossaspis ecristata	Giant Orchid	G2G3	S2	N	LT
	Rana capito	Gopher Frog	G3	S3	N	LS
	Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N.	LS
	Ursus americanus floridanus	Florida Black Bear	G5T2	`S2	N	LT*
	Warea carteri	Carter's Warea	G3	S3	LE	·· LE
Mat	rix Unit ID: 23725				•	
	•					*
L	ikely			40		
	Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT
	Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
	Mesic flatwoods	Florida Sandrilli Crane	G31213	S4	. N	N
V		Wood Stork	G4	S2	LE	LE
	Mycteria americana Sandhill	vvood Stork	G3	S2 S2	N	N N
	Sanurilli	And the second second	G 3	ŞZ	IN	. 14
P	Potential					
	Aimophila aestivalis	Bachman's Sparrow	G3	S3	N N	N
	Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3 .	. N	LS
	Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3	N	LE
	Centrosema arenicola	Sand Butterfly Pea	Ġ2Q	S2	Ν.	LE
	Coelorachis tuberculosa	Piedmont Jointgrass	G3	S3	N	LT
	Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	ĹŤ
	Gymnopogon chapmanianus	Chapman's Skeletongrass	G3 .	S3	N	N
	Heterodon simus	Southern Hognose Snake	G2	S2 ·	N	Ñ
	Lechea cernua	Nodding Pinweed	G3	S3	. N	ĹŤ
	Litsea aestivalis	Pondspice	G3	S2	N	ΪĒ
	Matelea floridana	Florida Spiny-pod	G2	S2 .	N	LE
	Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N	· N
	Nemastylis floridana	Celestial Lily	G2	S2	N	LE
	Neofiber alleni	Round-tailed Muskrat	G3	S3	Ň	N
	Nolina atopocarpa	Florida Beargrass	G3	S3	N	ĹŤ
	Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N	N
	Panicum abscissum	Cutthroat Grass	G3	S3	N	LE
	Pituophis melanoleucus mugitus	Florida Pine Snake	G4T3	S3	N	LS
	Platanthera integra	Yellow Fringeless Orchid	G3G4	S3		LE
			G3 G3		N N	LS
•	Podomys floridanus	Florida Mouse		S3	N	LS
·	Pteroglossaspis ecristata	Giant Orchid	G2G3	S2	N	
	Rana capito	Gopher Frog	G3	S3	N	LS
_	Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS LT*
	Ursus americanus floridanus	Florida Black Bear	G5T2	S2	,N	LT*

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

G3

S3

LE

LE

Carter's Warea

04/16/2008

Warea carteri





Natural Areas		4	*, **	1 10	31
INVENTORY	Common Name	Global Rank	State Rank		State
-17	Common Name	Kalik	Rally .	Status	Lisuity
Matrix Unit ID: 23726			**.		
Likely		•			
Ardea alba	Great Egret	G5	S4	N	N
Egretta caerulea	Little Blue Heron	G5	S4	N	LS
Eudocimus albus	White Ibis	G5	S4	N	LS
Gopherus polyphemus	Gopher Tortoise	G3	S3	Ň	LT ,
Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3	S2S3	N	LT.
Mesic flatwoods		G4	S4	N	N
Mycteria americana	Wood Stork	G4	S2	LE	LE
Sandhill		G3	S2	N	· N
Sandhill upland lake	and the state of t	G3	S2	Ŋ	N
Potential		, ,	4 .	a de la celonia. Campo	
Aimophila aestivalis	Bachman's Sparrow	G3	S3	N	N
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	N	LS
Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3	N	ĹĚ
Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	, N	LË
Coelorachis tuberculosa	Piedmont Jointgrass	G3	\$3	N	LT
Corynorhinus rafinesquii	Rafinesque's Big-eared Bat	G3G4	S2	N	N
Digitaria floridana	Florida Crabgrass	G1	S1	N	N
Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT
Gymnopogon chapmanianus	Chapman's Škeletongrass	- G3	S3	N	N
Heterodon simus	Southern Hognose Snake	G2	S2	N	N
Lechea cemua	Nodding Pinweed	G3	S3	N	LT
Litsea aestivalis	Pondspice	G3	S2	N	LE
Matelea floridana	Florida Spiny-pod	G2	S2	N	LE
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N	· N
Nemastylis floridana	Celestial Lily	G2	S2	Ň	LE
Neofiber alleni	Round-tailed Muskrat	G3	S3	N _.	N
Nolina atopocarpa	Florida Beargrass	G3	S3	N	LT
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N	N
Panicum abscissum	Cutthroat Grass	G3	S3	, N	LE
Pituophis melanoleucus mugitus	Florida Pine Snake	G4T3	S3	N	LS
Platanthera integra	Yellow Fringeless Orchid	G3G4	S3	N	LE
Podomys floridanus	Florida Mouse	G3	S3	N	LS
Pteroglossaspis ecristata	Giant Orchid	G2G3	S2	N	LT
Rana capito	Gopher Frog	G3	S3	N	LS
Ursus americanus floridanus	Florida Black Bear	G5T2	S2	N	LT*
Warea carteri	Carter's Warea	G3	S3	LE	LE
Matrix Unit ID: 23727		v.			
Likely					
Ardea alba	Great Egret	G5	S4	N	N
Egretta caerulea	Little Blue Heron	G5	S4	N	LS
Eudocimus albus	White Ibis	G5	S4	Ň	LS
Falco sparverius paulus	Southeastern American Kestrel	G5T4	S3	Ň	LT
Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Mesic flatwoods		G4	S4 -	Ν	Ν

Definitions: Documented - Rare species and natural communities documented on or near this site.





Natural Areas					18	51 8
Scientific Name	-	Common Name	Global Rank	State Rank	Federal Status	State Listing
<i>Mycteria americana</i> Sandhill Sandhill upland lake		Wood Stork	G4 G3 G3	\$2 \$2 \$2	LE N N	LE N N
Potential		en e				
Aimophila aestivalis Athene cunicularia floridana Calopogon multiflorus Centrosema arenicola Coelorachis tuberculosa Digitaria floridana Drymarchon couperi Gopherus polyphemus Gymnopogon chapmanianus Heterodon simus Lechea cernua Litsea aestivalis Matelea floridana Mustela frenata peninsulae Nemastylis floridana Neofiber alleni Nolina atopocarpa Notophthalmus perstriatus Panicum abscissum Platanthera integra Podomys floridanus Pteroglossaspis ecristata Rana capito Ursus americanus floridanus Warea carteri		Bachman's Sparrow Florida Burrowing Owl Many-flowered Grass-pink. Sand Butterfly Pea Piedmont Jointgrass Florida Crabgrass Eastern Indigo Snake Gopher Tortoise Chapman's Skeletongrass Southern Hognose Snake Nodding Pinweed Pondspice Florida Spiny-pod Florida Long-tailed Weasel Celestial Lily Round-tailed Muskrat Florida Beargrass Striped Newt Cutthroat Grass Yellow Fringeless Orchid Florida Mouse Giant Orchid Gopher Frog Florida Black Bear Carter's Warea	G3 G4T3 G2G3 G2Q G3 G1 G3 G3 G3 G2 G5T3 G2 G3 G3 G3 G3 G3 G3 G3 G3 G3 G3 G3 G3 G3	\$3 \$3 \$2 \$3 \$2 \$3 \$3 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	Tzzzzzzzzzzzzzzz	NSEETALTANTEEREATAEESTS*E
Matrix Unit ID: 23728						
Likely						
Ardea alba Egretta caerulea Eudocimus albus Falco sparverius paulus Grus canadensis pratensis Mycteria americana Sandhill Sandhill upland lake		Great Egret Little Blue Heron White Ibis Southeastern American Kestrel Florida Sandhill Crane Wood Stork	G5 G5 G5T4 G5T2T3 G4 G3 G3	S4 S4 S3 S2S3 S2 S2 S2 S2	ZZZZEZZ	N LS LT LT LE N N
Potential						
Aimophila aestivalis Athene cunicularia floridana Calopogon multiflorus Centrosema arenicola Coelorachis tuberculosa Digitaria floridana		Bachman's Sparrow Florida Burrowing Owl Many-flowered Grass-pink Sand Butterfly Pea Piedmont Jointgrass Florida Crabgrass	G3 G4T3 G2G3 G2Q G3 G1	\$3 \$3 \$2\$3 \$2 \$3 \$1	N N N N N N	N LS LE LE LT N

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

04/16/2008





Natural Areas				V: 18	51.
INVENTORY Scientific Name	Common Name (Act Displayer)	Global Rank	State Rank	Federal Status	State Listing
Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT
Gopherus polyphemus	Gopher Tortoise	G3	\$3	N	ĹŤ
Gymnopogon chapmanianus	Chapman's Skeletongrass	G3	S3	N .	N
Heterodon simus	Southern Hognose Snake	G2	S2	N	N
Lechea cernua	Nodding Pinweed	G3	S3 ⁻	N	ĹŤ
Litsea aestivalis	Pondspice	G3	S2	N	LE
Matelea floridana	Florida Spiny-pod	G2	S2	N	LE
Monotropsis reynoldsiae	Pygmy Pipes	G1Q	S1	N	LE
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N	N
Nemastylis floridana	Celestial Lily	G2	S2 -	N	ĹÈ
Neofiber alleni	Round-tailed Muskrat	G2 G3	S3	N	N
Nolina atopocarpa	Florida Beargrass	G3	S3	N	LT
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N	N
					LE
Panicum abscissum	Cutthroat Grass	G3	S3 .	N.	
Pituophis melanoleucus mugitus	Florida Pine Snake	G4T3	S3 ;	N	LS
Platanthera integra	Yellow Fringeless Orchid	G3G4	S3	<u>N</u>	LE
Podomys floridanus	Florida Mouse	G3	S3 ,	. N	LS
Pteroglossaspis ecristata	Giant Orchid	G2G3	S2	N	LT
Rana capito	Gopher Frog	G3	S3	N	LS
Salix floridana	Florida Willow	G2	S2 ,	· N	LE
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N ·	LS
Triphora craigheadii	Craighead's Nodding-caps	G1	S1	N	LE
Ursus americanus floridanus	Florida Black Bear	G5T2	. S2	N	LT*
Warea carteri	Carter's Warea	G3	S3 ,	LE	LE.
	$V = \frac{1}{\sqrt{2}}V = -\sqrt{C_0^2}V$		1	*:	
Matrix Unit ID: 23729	the second of th			- }	
Likely				•	
Falco sparverius paulus	Southeastern American Kestrel	G5T4	S3	N -	LT
Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3	S2S3	N	· LT
Sandhill		G3	S2	N	N
Potential	•				1 1
	De la cala Occasión	00			
Aimophila aestivalis	Bachman's Sparrow	G3	S3	· N	N
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	N	LS
Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3	. N	LE
Centrosema arenicola	Sand Butterfly Pea	G2Q	S2 .	N	LE
Coelorachis tuberculosa	Piedmont Jointgrass	G3	S3	N	LT
Digitaria floridana	Florida Crabgrass	G1	S1	. N	N ·
Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT
Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT
Gymnopogon chapmanianus	Chapman's Skeletongrass	G3 ·	S3 -	· N	. N
Heterodon simus	Southern Hognose Snake	G2	S2	N	N
Lechea cernua	Nodding Pinweed	G3	S3	N	LT
Litsea aestivalis	Pondspice	G3	S2	N	LE
Matelea floridana	Florida Spiny-pod	G2	S2	N	ĹĒ
Monotropsis reynoldsiae	Pygmy Pipes	G1Q	S1	Ñ	ĹΕ
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3 .	N.	N
Nemastylis floridana	Celestial Lily	G2	S2	N	LE
Neofiber alleni	Round-tailed Muskrat	G3	S3	N	N
, vooibor anom	Nosha-tallou Musikiat		33	1.4	1.4

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Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
		•			
Nolina atopocarpa	Florida Beargrass	G3	S3	N	LT
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N	N
Panicum abscissum	Cutthroat Grass	G3	S3	N .	LE
Pituophis melanoleucus mugitus	Florida Pine Snake	G4T3	S3	N	LS
Platanthera integra	Yellow Fringeless Orchid	G3G4	S3	N	LE
Podomys floridanus	Florida Mouse	G3	S3	N	LS
Pteroglossaspis ecristata	Giant Orchid	G2G3	S2 S3	N N	LT LS
Rana capito Salix flondana	Gopher Frog Florida Willow	G3 G2	S2		LS
	Sherman's Fox Squirrel	G5T3	S3	N N	LS
Sciurus niger shermani Triphora craigheadii	Craighead's Nodding-caps	G1	S1	N	LE
Ursus americanus floridanus	Florida Black Bear	G5T2	S2	N	LT*
Warea carteri	Carter's Warea	G312	S3	LE	LE
vvalea caileii	Carter's vvarea	GS	33 ,	ᄕ	LL
Matrix Unit ID: 23730					
Likely			,		
Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3	S2S3:	N	LT
Mycteria americana	Wood Stork	G4	S2		LE
Sandhill		G3	S2	N	N
otential	and the state of t	•	* 4		
	Dackmanla Commun.	00.		K1	
Aimophila aestivalis	Bachman's Sparrow	G3 · G2G3	S3 S2S3	N	N LE
Calopogon multiflorus	Many-flowered Grass-pink	G2G3 G2Q	S2S3 S2	N.	LE
Centrosema arenicola Coelorachis tuberculosa	Sand Butterfly Pea	G2Q G3	S2 S3	N N	LT
Digitaria floridana	Piedmont Jointgrass Florida Crabgrass	G1	S1	N	N .
Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT
Gopherus polyphemus	Gopher Tortoise	G3	· S3	N	LT
Heterodon simus	Southern Hognose Snake	G2	S2	N	N
Lechea cemua	Nodding Pinweed	G3	S3	Ň	LT
Litsea aestivalis	Pondspice Pondspice	G3	S2	N	LE
Matelea floridana	Florida Spiny-pod	G2	S2	Ň	LE
Monotropsis reynoldsiae	Pygmy Pipes	G1Q	S1	N	LE
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N	N
Nemastylis floridana	Celestial Lily	G2	S2	N	ĹĔ
Neofiber alleni	Round-tailed Muskrat	G3	S3	N	N
Nolina atopocarpa	Florida Beargrass	G3	\$3	Ň	LT
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N	N
Panicum abscissum	Cutthroat Grass	G3	S3	N	LE
Platanthera integra	Yellow Fringeless Orchid	G3G4	S3	N	LE
Podomys floridanus	Florida Mouse	G3	S3	N	LS
Pteroglossaspis ecristata	Giant Orchid	G2G3	S2	N	LT
Rana capito	Gopher Frog	G3	S3	N	LS
Salix floridana	Florida Willow	G2	S2	N	LE
Triphora craigheadii	Craighead's Nodding-caps	G1	S1	N	LE
Warea carteri	Carter's Warea	G3	S3	LE	LE

trix Unit ID: 23977

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04/16/2008 Page 8 of 14





Natural Areas	•			18	51 8
INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Goldhane Name	the second secon	Kank	, tank	 	Libarig
Likely	A Property of the Control of the Con				41.4
Ardea alba	Great Egret	G5	S4	N	N
Egretta caerulea	Little Blue Heron	G5	S4	N	ĹS
Egretta thula	Snowy Egret	G5	S3	N	LS
Eudocimus albus	White Ibis	G5	S4	N	LS
Falco sparverius paulus	Southeastern American Kestrel	G5T4	S3	N	LT
Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3	S2S3	N.	ĹŤ
Mesic flatwoods	Tiorida Garidillii Grane	G4	S4	N	N
Mycteria americana	Wood Stork	G4	S2	LE	LE
Sandhill	vvood otork	G3	S2	N	N
Sandhill upland lake	AND A CONTRACTOR OF THE STATE O	G3 _{(2.5}		N	N
	And the second s	U U U U U U U U U U	. OZ	Takit IN a s	
Potential					1,50
Aimophila aestivalis	Bachman's Sparrow	G3	S3	, N . 45	N
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	N	LS
Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3	N	LE
Centrosema arenicola	Sand Butterfly Pea	G2Q	S2.	N N	LE
Coelorachis tuberculosa	Piedmont Jointgrass	G3	S3	N	LT
Digitaria floridana	Florida Crabgrass	G1	S1	Ň	N
Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	ĹŤ
Gopherus polyphemus	Gopher Tortoise	G3	S 3	N	LT
Gymnopogon chapmanianus	Chapman's Skeletongrass	G3	S3	N	N
Heterodon simus	Southern Hognose Snake	G2	S2 :	N	N
Lechea cernua	Nodding Pinweed	G3	S3	N	LT
Litsea aestivalis	Pondspice	- G3	<u> </u>	N	LE
Matelea floridana	Florida Spiny-pod	G2	S2	N	LE
Monotropsis reynoldsiae	Pygmy Pipes	G1Q	S1	N	ĹĒ
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	'n	N
Nemastylis floridana	Celestial Lily	G2	S2	· N	LE
Neofiber alleni	Round-tailed Muskrat	G3	S3	Ň.	N
Nolina atopocarpa	Florida Beargrass	G3	S3	. N	LT
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N	N
Panicum abscissum	Cutthroat Grass	G3		N	LE
Pituophis melanoleucus mugitus	Florida Pine Snake	G4T3	S3	. N	LS
Platanthera integra	Yellow Fringeless Orchid	G3G4	, S3	N	ĹĔ
Podomys floridanus	Florida Mouse	G3	S3	Ñ	LS
Pteroglossaspis ecristata	Giant Orchid	G2G3	S2	N	LT
Rana capito	Gopher Frog	G3 -	S3	N	ĹS
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	ĹŠ
Triphora craigheadii	Craighead's Nodding-caps	G1	S1	N	LE
Ursus americanus floridanus	Florida Black Bear	G5T2	S2	N	LT*
Warea carteri	Carter's Warea	G3	S3	LE	. LE
Matrix Unit ID: 23978					
Likely					
Ardea alba	Great Egret	G5	S4	N .	N
Egretta caerulea	Little Blue Heron	G5	S4	Ň	ĹS
Egretta thula	Snowy Egret	G5	S3	N	LS
-9	, -9		-, -	• •	

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04/16/2008





Natural Areas				18	51 8
INVENTORY Scientific Name	Common Name	Global Rank	Staté Rank	Federal Status	State Listing
Eudocimus albus	White Ibis	G5	S4	N.	LS
Falco sparverius paulus	Southeastern American Kestrel	G5T4	S3	N	LT .
Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3	S2S3		LT
Mesic flatwoods	\$ 1.50 m	G4 .	S4 ⁻	N	N
Mycteria americana	Wood Stork	G4	S2	LE	ĹĒ
Sandhill	77000 0.071	G3	S2	N	N
Sandhill upland lake	es version de la company	G3	- S2	N	N
Potential					
Aimophila aestivalis	Bachman's Sparrow	G3	S3	N	N
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	N	LS
Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3	N	LE
Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	N	LE
Coelorachis tuberculosa	Piedmont Jointgrass	G3	S3	Ñ	LT
Digitaria floridana	Florida Crabgrass	G1	S1	N	N.
Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	ĹŤ
Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT
	Chapman's Skeletongrass	- G3	S3	N	N
Gymnopogon chapmanianus Heterodon simus	Southern Hognose Snake	G2	S2	N	N
		G2 G3	S3	N	ĹT
Lechea cernua	Nodding Pinweed	G3	S2	N	LE
Litsea aestivalis	Pondspice	G2	S2	N	LE
Matelea floridana	Florida Spiny-pod	G1Q	S1	N	LE
Monotropsis reynoldsiae	Pygmy Pipes	G5T3	S3		N
Mustela frenata peninsulae	Florida Long-tailed Weasel			N	LE
Nemastylis floridana	Celestial Lily	G2	S2	N	
Neofiber alleni	Round-tailed Muskrat	G3	S3	N	N
Nolina atopocarpa	Florida Beargrass	G3	S3:	N	LT
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N	N
Panicum abscissum	Cutthroat Grass	G3	S3	N	LE
Pituophis melanoleucus mugitus	Florida Pine Snake	G4T3	S3	N	LS
Platanthera integra	Yellow Fringeless Orchid	G3G4	S3	N	LE
Podomys floridanus	Florida Mouse	G3	S3	N	LS.
Pteroglossaspis ecristata	Giant Orchid	G2G3	\$2	N	ĹT
Rana capito	Gopher Frog	G3	S3	N	LS
Salix floridana	Florida Willow	G2	S2	N	LE
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS
Triphora craigheadii	Craighead's Nodding-caps	G1	S1	N.	LE
Ursus americanus floridanus	Florida Black Bear	G5T2	S2	N	LT*
Warea carteri	Carter's Warea	G3	S3	LE	LE
Matrix Unit ID: 23979					
Likely					
Falco sparverius paulus	Southeastern American Kestrel	G5T4	S3	N	LT
Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Mesic flatwoods	artistas arastrastini artistita	G4	S4	N	N
Sandhill		G3	S2	Ň	. N
Potential					
Aimophila aestivalis	Bachman's Sparrow	G3	S3	N	N

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.

Page 10 of 14



Florida Natural Areas Inventory

Biodiversity Matrix Report



Natural Areas					3005	45
	INVENTORY		Global	State	Federal S	State
	Scientific Name	Common Name	Rank	Rank	Status L	isting
	Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	N	LS
	Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3	N	LE
	Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	N	LE
	Coelorachis tuberculosa	Piedmont Jointgrass	G3	S3	N	LT
	Digitaria floridana	Florido Occidencia	G1	S1	N	N
	Drymarchon couperi		G3	S3	LT	LT
		Eastern Indigo Snake	G3			
	Gopherus polyphemus	Gopher Tortoise		S3	N	LT
	Heterodon simus	Southern Hognose Snake	G2	S2	N	N
	Lechea cemua	Nodding Pinweed	G3	S3	N	LT
	Litsea aestivalis	Pondspice	G3	S2	Ŋ	LE
	Matelea floridana	Florida Spiny-pod	G2	S2	N	LE
	Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	, N ,,	,N
	Nemastylis floridana	Celestial Lily	G2	S2	Ň · · ·	LE
	Neofiber alleni	Round-tailed Muskrat	G3	, S3	N garage	N
	Nolina atopocarpa	Florida Beargrass	G3	S3	N	LT -
	Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	.N -	N
	Panicum abscissum	Cutthroat Grass	G3	S3	N ·	LE
	Pituophis melanoleucus mugitus	Florida Pine Snake	G4T3	S3	N	LS
	Platanthera integra	Yellow Fringeless Orchid	G3G4	S3	N	LE
_	Podomys floridanus	Florida Mouse	G3	S3	Ń.	LS
A	Pteroglossaspis ecristata	Giant Orchid	G2G3	S2	N	LT
V	Rana capito	Gopher Frog	G3	S3	N	ĹŚ
	Salix floridana	Florida Willow	G2	S2	N	LE
	Ursus americanus floridanus	Florida Black Bear	G5T2	S2 -	Ň	LT*
	Warea carteri	Carter's Warea	G3	S3	LE	LE
	variou builton	Cartor o vvarca				
Ma	atrix Unit ID: 23980				****	
	Likely					
	Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
	Sandhill	rionad Sananiii Stans	G3	S2	N	N
	,		05	02	• • • • • • • • • • • • • • • • • • • •	
	Potential	- W				
	Aimophila aestivalis	Bachman's Sparrow	G3	· S3	N	N
	Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3	Ñ	LE
	Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	Ñ	LE
	Coelorachis tuberculosa	Piedmont Jointgrass	G3	S3	· N	LT
	Digitaria floridana	Florida Crabgrass	G1	S1	N	N
						LT
	Drymarchon couperi	Eastern Indigo Snake	G3	-S3	, LT 🧀	
	Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT
	Heterodon simus	Southern Hognose Snake	G2	S2	N ,	N.
	Lechea cernua	Nodding Pinweed	G3	S3	N	LT
	Litsea aestivalis	Pondspice	G3	S2	N	LE
•	Matelea floridana	Florida Spiny-pod	G2	S2	N	LE
	Monotropsis reynoldsiae	Pygmy Pipes	G1Q	S1	N	LE
	Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	· N	N
	Nemastylis floridana	Celestial Lily	G2	S2	N	LE
	Neofiber alleni	Round-tailed Muskrat	G3	S3	N	N
A	Nolina atopocarpa	Florida Beargrass	G3	S3 ,	N	LT
U	Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N	N
	-	•				

Definitions: Documented - Rare species and natural communities documented on or near this site.





Natural Areas				. 18	51 :
INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Panicum abscissum Platanthera integra Podomys floridanus Pteroglossaspis ecristata Rana capito Salix floridana Triphora craigheadii Ursus americanus floridanus Warea carteri	Cutthroat Grass Yellow Fringeless Orchid Florida Mouse Giant Orchid Gopher Frog Florida Willow Craighead's Nodding-caps Florida Black Bear Carter's Warea	G3 G3G4 G3 G2G3 G3 G2 G1 G5T2 G3	\$3 \$3 \$3 \$2 \$3 \$2 \$1 \$2 \$3	N N N N N N N N LE	LE LS LT LS LE LE LT* LE
Matrix Unit ID: 23981			٠. ٠		٠.
Likely					
<i>Grus canadensis pratensis</i> Mesic flatwoods	Florida Sandhill Crane	G5T2T3 G4	S2S3 S4	N N	LT N
Potential			**		
Aimophila aestivalis Calopogon multiflorus Centrosema arenicola Coelorachis tuberculosa Digitaria floridana Drymarchon couperi Gopherus polyphemus Heterodon simus Lechea cernua Litsea aestivalis Matelea floridana Mustela frenata peninsulae Nemastylis floridana Neofiber alleni Nolina atopocarpa Notophthalmus perstriatus Panicum abscissum Platanthera integra Podomys floridanus Pteroglossaspis ecristata Rana capito Salix floridana Sciurus niger shermani Ursus americanus floridanus Warea carteri	Bachman's Sparrow Many-flowered Grass-pink Sand Butterfly Pea Piedmont Jointgrass Florida Crabgrass Eastern Indigo Snake Gopher Tortoise Southern Hognose Snake Nodding Pinweed Pondspice Florida Spiny-pod Florida Long-tailed Weasel Celestial Lily Round-tailed Muskrat Florida Beargrass Striped Newt Cutthroat Grass Yellow Fringeless Orchid Florida Mouse Giant Orchid Gopher Frog Florida Willow Sherman's Fox Squirrel Florida Black Bear Carter's Warea	G3 G2G3 G2Q G3 G1 G3 G3 G2 G5T3 G2 G3 G3 G3 G3 G3 G3 G3 G3 G3 G3 G3 G3 G3	\$3 \$2\$3 \$2 \$3 \$1 \$3 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	Azzzzzzzzzzzzzzz	N L L L N L N L N L N L N L L L L L L L
Matrix Unit ID: 23982					
Likely					
Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Potential Airportial acetivation	Pachmon's Sparrau	· •	63	K I	N
Aimophila aestivalis	Bachman's Sparrow	G3	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.

Page 12 of 14





Natural Areas			:	10	31/
INVENTORY		Global	State	Federal	State
Scientific Name	Common Name	Rank	Rank	Status	Listing
Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3	. N	LE
Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	N	ĹĒ
Coelorachis tuberculosa	Piedmont Jointgrass	G3	S3 .	N	LT
Digitaria floridana	Florida Crabgrass	G1	S1	N	N.
Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	ĹŤ
Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT
Heterodon simus	Southern Hognose Snake	G2	S2	N	N
Lechea cemua	Nodding Pinweed	G3	. S3	N	ĹŤ
Matelea floridana	Florida Spiny-pod	G2	S2	N	ĹΕ
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	Ň	N
Nemastylis floridana	Celestial Lily	G2	S2	N	LE
Neofiber alleni	Round-tailed Muskrat	G3	S3	N	N
Nolina atopocarpa	Florida Beargrass	G3	S3	N	LT
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N	N
Panicum abscissum	Cutthroat Grass	G3	S3	N	ĹĖ
Platanthera integra	Yellow Fringeless Orchid	G3G4	S3	N	LE
Podomys floridanus	Florida Mouse	G3	S3 ·	N	LS
Pteroglossaspis ecristata	Giant Orchid	G2G3	S2 :	N	LT
Rana capito	Gopher Frog	G2G3	S2 :	N	LS
Salix floridana	Florida Willow	G2	S2	N	LE
Sciurus niger shermani	Sherman's Fox Squirrel	. G5T3	S3	Ň	LS
Warea carteri	Carter's Warea	G3	S3	ĽĒ	LE
VValea carteri	Callel S Walea		33	LL	-
Matrix Unit ID: 24235		•			
Likely	and the second s	•			N.
Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3	S2S3	· N	LT
Potential					
Aimophila aestivalis	Bachman's Sparrow	G3	S3	N	N
Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3	N	LE
Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	N	LE
Coelorachis tuberculosa	Piedmont Jointgrass	G3	S3 .	. N	LT
Digitaria floridana	Florida Crabgrass	G1	S1	N	N
Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT
Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT
Heterodon simus	Southern Hognose Snake	G2 .	S2	Ν	N
Lechea cemua	Nodding Pinweed	G3	S3 ·	N	LT
Matelea floridana	Florida Spiny-pod	G2	S2	. N	LE
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3 🦠	N	N
Nemastylis floridana	Celestial Lily	G2 ·	S2	N	LE
Neofiber alleni	Round-tailed Muskrat	G3	S3	N	N
Nolina atopocarpa	Florida Beargrass	G3	S3 -	N	LT
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N	N
Panicum abscissum	Cutthroat Grass	G3	S3	N	LE
Platanthera integra	Yellow Fringeless Orchid	G3G4	S3	Ň	LE
Podomys floridanus	Florida Mouse	G3	S3	Ň	LS
Rana capito	Gopher Frog	G3	S3	N	LS
Salix floridana	Florida Willow	G2	S2	Ň	LE
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	Ň	LS
30.00.00.00.00.00.00.00.00.00.00.00.00.0	= =				

Definitions: Documented - Rare species and natural communities documented on or near this site.

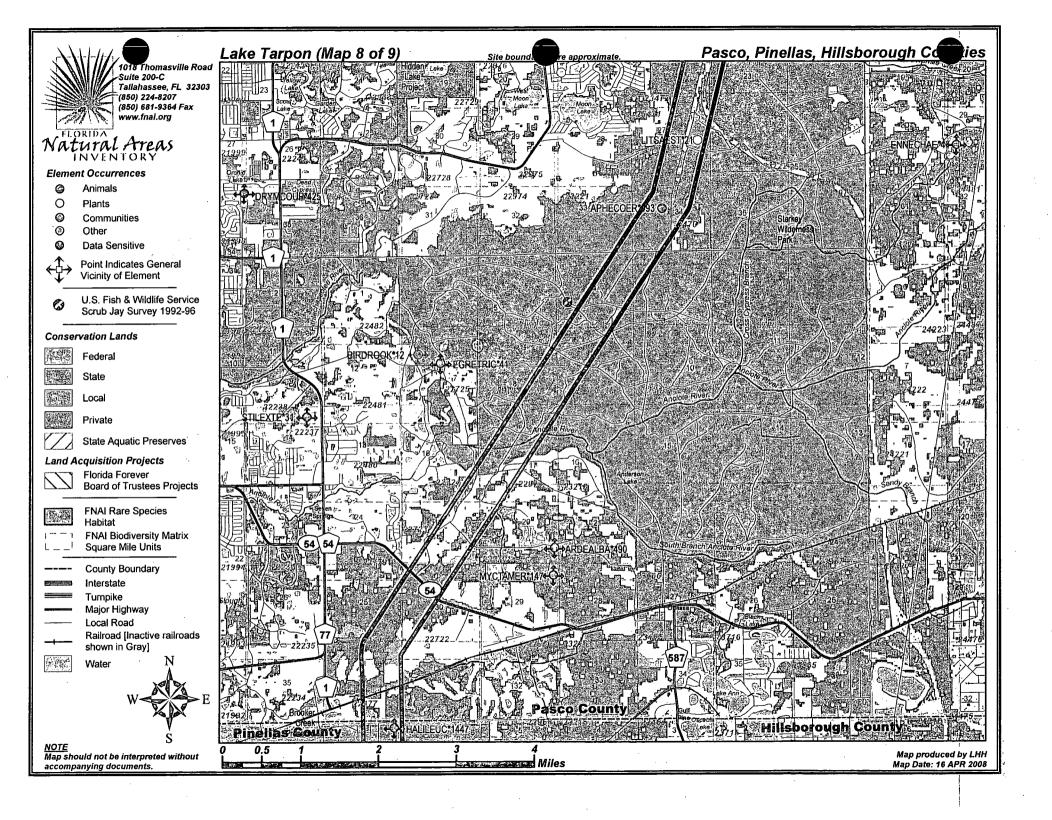




Natural Areas

Scientific Name		Common Name	Common Name		State Rank		State Listing	
Warea carteri	*	Carter's Warea		G3	S3	LE	LE	٦,

Definitions: Documented - Rare species and natural communities documented on or near this site.





Florida Natural Areas Inventory



ELEMENT OCCURRENCES DOCUMENTED ON OR NEAR PROJECT SITE

INVENTORY			Global State Federal State Observation			Observatio	n ·			
	Map Label	Scientific Name	Common Name	Rank	Rank	Status	Listing	Date	Description	EO Comments
	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 S 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); STRICOLORED HERON (UNKNOWNBREEDING ACTIVITY, BUT IS PRESENT IN AREA).
	APHECOER*493	Aphelocoma coerulescens	Florida Scrub-jay	G2	S2	LT	LT :	2004-08-03	karst plain physiographic area. Surrounding scrub habitat was previously extremely fire	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





ELEMENT OCCURRENCES DOCUMENTED ON OR NEAR PROJECT SITE



INVEN		•	Global	State	Federal	State	Observation	n 2 () .	
Map Label	Scientific Name	Common Name	Rank	Rank	Status	Listing	Date	Description	EO Comments
LITSAEST*21	Litsea aestivalis	Pondspice	G3	S2	N	LE	2004-07-29	2004-07-29: plants observed in deep water throughout dome swamp of Taxodium ascendens with Myrica cerifera, Cladium jamaicense, Carex sp., and Panicum hemitomum surrounded by xeric uplands; Litsea dominant shrub, some Litsea plants reached 20 feet tall (
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)





Natural Areas					٠
Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Matrix Unit ID: 22476	We the Control of the Control		eri,		
Likely					
Grus canadensis pratensis Mesic flatwoods Mycteria americana Sandhill	Florida Sandhill Crane Wood Stork	G5T2T3 G4 G4 G3	S2S3 S4 S2 S2	N N LE N	LT N LE N
Potential			. ,		
Aimophila aestivalis Athene cunicularia floridana Calopogon multiflorus Centrosema arenicola Coelorachis tuberculosa Drymarchon couperi Eumops floridanus Gopherus polyphemus Gymnopogon chapmanianus Lechea cernua Mustela frenata peninsulae Nemastylis floridana Neofiber alleni Nolina atopocarpa Panicum abscissum Picoides borealis Platanthera integra Podomys floridanus Pteroglossaspis ecristata Rana capito Sciurus niger shermani Stilosoma extenuatum Ursus americanus floridanus	Bachman's Sparrow Florida Burrowing Owl Many-flowered Grass-pink Sand Butterfly Pea Piedmont Jointgrass Eastern Indigo Snake Florida bonneted bat Gopher Tortoise Chapman's Skeletongrass Nodding Pinweed Florida Long-tailed Weasel Celestial Lily Round-tailed Muskrat Florida Beargrass Cutthroat Grass Red-cockaded Woodpecker Yellow Fringeless Orchid Florida Mouse Giant Orchid Gopher Frog Sherman's Fox Squirrel Short-tailed Snake Florida Black Bear	G3 G4T3 G2G3 G2Q G3 G3 G3 G3 G5T3 G3 G3 G3 G3 G3 G3 G3 G3 G3 G3 G3 G3 G3	\$3 \$3 \$2\$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$	zzzzzzzzzzzzzzzzzzzzzzz	N S E E T T E T N T N E N T E S E S T S S T T
Matrix Unit ID: 22477					
Documented					
Haliaeetus leucocephalus	Bald Eagle	G5	S3	N	LT
Likely	€			•	
Grus canadensis pratensis Mesic flatwoods Mycteria americana Sandhill	Florida Sandhill Crane Wood Stork	G5T2T3 G4 G4 G3	S2S3 S4 S2 S2	N N LE N	LT N LE N
Potential	t :				
Aimophila aestivalis Athene cunicularia floridana Calopogon multiflorus Centrosema arenicola Coelorachis tuberculosa	Bachman's Sparrow Florida Burrowing Owl Many-flowered Grass-pink Sand Butterfly Pea Piedmont Jointgrass	G3 G4T3 G2G3 G2Q G3	\$3 \$3 \$2\$3 \$2 \$3	N N N N	N LS LE LE LT

Definitions: Documented - Rare species and natural communities documented on or near this site.



Florida Natural Areas Inventory

Biodiversity Matrix Report



Natural Areas		·	1031					
e. 11	NVENTORY entific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing		
Drvi	marchon couperi	Eastern Indigo Snake	G3	S3	LT	LT		
	nops floridanus	Florida bonneted bat	. G1	S1	N N	LE		
	pherus polyphemus	Gopher Tortoise	G3	S3	Ñ	LT		
	nnopogon chapmanianus	Chapman's Skeletongrass	G3	S3	Ñ	N		
	erodon simus	Southern Hognose Snake	G2	S2	N	N		
	hea cemua	Nodding Pinweed	G3	S3	Ň	LT		
	elea floridana	Florida Spiny-pod	G2	S2	N ·	LE.		
	stela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N	' N		
	nastylis floridana	Celestial Lily	G2	\$2 _.	Ň	LE		
	ofiber alleni	Round-tailed Muskrat	- G3	S3	Ň	N		
	ina atopocarpa	Florida Beargrass	G3	S3	N	ĹŤ		
	nicum abscissum	Cutthroat Grass	G3	S3	N	LE		
	oides borealis	Red-cockaded Woodpecker	G3	52 S2	LE	LS		
	anthera integra	Yellow Fringeless Orchid	G3G4	S3 "	. N	LE		
	lomys floridanus	Florida Mouse	G3	S3	N	LS		
	roglossaspis ecristata	Giant Orchid	G2G3	S2	N	LT		
	na capito	Gopher Frog	G2G3	S3	N	LS		
	ırus niger shermani	Sherman's Fox Squirrel	G5T3	, S3	N	LS		
	osoma extenuatum	Short-tailed Snake	G3	S3 ···	N	· LT		
			G5T2		N	LT*		
Orsi	us americanus floridanus	Florida Black Bear	G512	S2	N	LI"		
Maarix U	nit ID: 22478				• ;			
Likely					•			
Gru	s canadensis pratensis	Florida Sandhill Crane	G5T2T3	S2S3	N	LT		
	cteria americana	Wood Stork	G4	S2	LE .	LE		
Potent	tial		•					
Aim	ophila aestivalis	Bachman's Sparrow	G3	S3	N	N		
	ene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	N	LS		
Cald	opogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3	N	. LE		
	ntrosema arenicola	Sand Butterfly Pea	G2Q	S2	N	LE		
	elorachis tuberculosa	Piedmont Jointgrass	G3	S3	N	LT		
	marchon couperi	Eastern Indigo Snake	G3	S3	LT	LT		
	nops floridanus	Florida bonneted bat	G1	S1	N	LE		
	pherus polyphemus	Gopher Tortoise	G3	S3	Ñ	ĹŤ		
	nnopogon chapmanianus	Chapman's Skeletongrass	G3	S3	N	N		
	erodon simus	Southern Hognose Snake	G2	S2	N	N		
	hea cernua	Nodding Pinweed	G3	\$3	N	ĹŤ		
	ea aestivalis	Pondspice	G3	S2	Ň	ĹĖ		
	elea floridana	Florida Spiny-pod	G2	S2	· N	ĽĒ		
	stela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3 ⁻	• N	- N		
	nastylis floridana	Celestial Lily	G2	S2	Ñ	LE		
	ofiber alleni	Round-tailed Muskrat	G3	S3	N	N		
	ina atopocarpa	Florida Beargrass	G3	S3	N	ĹŤ		
	nicum abscissum	Cutthroat Grass	G3	S3	N	LE		
	oides borealis	Red-cockaded Woodpecker	G3	S2	LE	LS		
	tanthera integra	Yellow Fringeless Orchid	G3G4	S2 S3	N	LE		
	domys floridanus	Florida Mouse	G3	`S3	N	LS		
	roglossaspis ecristata	Giant Orchid	G2G3	S2	N	LT		
_		·						

Definitions: Documented - Rare species and natural communities documented on or near this site.





Natural Areas				10	31/
INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Rana capito Sciurus niger shermani Stilosoma extenuatum Ursus americanus floridanus	Gopher Frog Sherman's Fox Squirrel Short-tailed Snake Florida Black Bear	G3 G5T3 G3 G5T2	S3 S3 S3 S2	N N N	LS LS LT LT*
Matrix Unit ID: 22720					
Likely					
Grus canadensis pratensis Mesic flatwoods Mycteria americana	Florida Sandhill Crane Wood Stork	G5T2T3 G4 G4	S2S3 S4 S2	N N LE	LT N LE
Potential		•			
Aimophila aestivalis Athene cunicularia floridana Calopogon multiflorus Centrosema arenicola Coelorachis tuberculosa Conradina brevifolia Drymarchon couperi Eumops floridanus Gopherus polyphemus Gymnopogon chapmanianus Lechea cernua Matelea floridana Mustela frenata peninsulae Nemastylis floridana Neofiber alleni Nolina atopocarpa Panicum abscissum Picoides borealis Platanthera integra Podomys floridanus Pteroglossaspis ecristata Rana capito Sciurus niger shermani Stilosoma extenuatum Ursus americanus floridanus	Bachman's Sparrow Florida Burrowing Owl Many-flowered Grass-pink Sand Butterfly Pea Piedmont Jointgrass Short-leaved Rosemary Eastern Indigo Snake Florida bonneted bat Gopher Tortoise Chapman's Skeletongrass Nodding Pinweed Florida Spiny-pod Florida Long-tailed Weasel Celestial Lily Round-tailed Muskrat Florida Beargrass Cutthroat Grass Red-cockaded Woodpecker Yellow Fringeless Orchid Florida Mouse Giant Orchid Gopher Frog Sherman's Fox Squirrel Short-tailed Snake Florida Black Bear	G3 G4T3 G2G3 G2Q G3 G2 G3 G3 G3 G2 G5T3 G3 G3 G3 G3 G3 G3 G3 G3 G3 G3 G3 G3 G3	\$3 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$3 \$2 \$3 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	zzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzz	N S E E T E T E T N T E N E N T E S E S T S S T T S S T T S S T T T
Matrix Unit ID: 22721					
Likely					•
Grus canadensis pratensis Mycteria americana	Florida Sandhill Crane Wood Stork	G5T2T3 G4	S2S3 S2	N LE	LT LE
Potential					
Aimophila aestivalis Athene cunicularia floridana Calopogon multiflorus Centrosema arenicola	Bachman's Sparrow Florida Burrowing Owl Many-flowered Grass-pink Sand Butterfly Pea	G3 G4T3 G2G3 G2Q	S3 S3 S2S3 S2	N N N	N LS LE LE

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Page 3 of 15





Natural Areas				1851	<®
INVENTORY		Global	State	Federal St	ate
Scientific Name	Common Name 🖂 🛴 💮	Rank	Rank	Status Lis	ting
Coelorachis tuberculosa	Piedmont Jointgrass	G3	S3	N L	Т.
Conradina brevifolia	Short-leaved Rosemary	G2Q	S2		E
Drymarchon couperi	Eastern Indigo Snake	,G3	S3.		.T
Eumops floridanus	Florida bonneted bat	G1	S1		.E
Gopherus polyphemus	Gopher Tortoise	G3	S3		Ţ
Gymnopogon chapmanianus	Chapman's Skeletongrass	G3	. S 3 .		N.
Lechea cernua	Nodding Pinweed	G3	S3		T
					. i .E
Matelea floridana	Florida Spiny-pod	G2	S2		
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3		N .E
Nemastylis floridana	Celestial Lily	G2 -	S2		
Neofiber alleni	Round-tailed Muskrat	G3	S3		N
Nolina atopocarpa	Florida Beargrass	G3	S3		Ţ.
Panicum abscissum	Cutthroat Grass	G3	S3		E
Picoides borealis	Red-cockaded Woodpecker	G3	S2		S
Platanthera integra	Yellow Fringeless Orchid	G3G4	S3		.E
Podomys floridanus	Florida Mouse	G3	S3		_S
Pteroglossaspis ecristata	Giant Orchid	G2G3	S2		.T
Rana capito	Gopher Frog	G3	S3		.S
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3		.S
Stilosoma extenuatum	Short-tailed Snake	G3	S3		_T
Ursus americanus floridanus	Florida Black Bear	G5T2	S2	N L	.T*
Matrix Unit ID: 22722				٠.	
Likely	As a second of the second			5,	
	Florido Condhill Conn	OCTOTO	0000	. Maria Sa	_
Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3	S2S3,		.T.
Mycteria americana	Wood Stork	G4	S2	LE L	.E
Potential	in the state of th				
Aimophila aestivalis	Bachman's Sparrow	G3	S3	N I	N '
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3		S
Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3		E
Centrosema arenicola	Sand Butterfly Pea	G2Q	S2.		Ē
Coelorachis tuberculosa	Piedmont Jointgrass	G3	S3		Ī
Conradina brevifolia	Short-leaved Rosemary	G2Q	S2		Ē
Drymarchon couperi	Eastern Indigo Snake	G3	S3		T
Eumops floridanus	Florida bonneted bat	G1	S1		Ē
Gopherus polyphemus	Gopher Tortoise	G3.	S3		 _T
Gymnopogon chapmanianus	Chapman's Skeletongrass	G3	S3		N N
Heterodon simus	Southern Hognose Snake	G2	S2		N
Lechea cernua	Nodding Pinweed	G3	S3		_T
Litsea aestivalis	Pondspice	G3	S2		Ē
Matelea floridana	Florida Spiny-pod	G3 G2	S2		Ē
Mustela frenata peninsulae	Florida Spiriy-pod Florida Long-tailed Weasel	G5T3	S3		N.
			S2		E.
Nemastylis floridana	Celestial Lily Round-tailed Muskrat	G2			
Neofiber alleni		G3	S3		N
Nolina atopocarpa	Florida Beargrass	G3	S3		Ţ
Panicum abscissum	Cutthroat Grass	G3	S3,		-E
Picoides borealis	Red-cockaded Woodpecker	G3	S2		-S
Platanthera integra	Yellow Fringeless Orchid	G3G4	S3	N L	-E

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Natural Areas		1631				
INVENTORY	•	Global	State	Federal	State	
Scientific Name	Common Name	Rank	Rank	Status	Listing	
Podomys floridanus	Florida Mouse	G3 .	S3	N	LS.	
Pteroglossaspis ecristata	Giant Orchid	G2G3	S2	N	LT	
Rana capito	Gopher Frog	G3	S3		LS	
	Sherman's Fox Squirrel	G5T3	S3	N	LS	
Sciurus niger shermani	Short-tailed Snake	G3	S3	N	LT	
Stilosoma extenuatum		G5T2		N ·	LT*	
Ursus americanus floridanus	Florida Black Bear	G512	S2	IN ·	Li	
Matrix Unit ID: 22723	the second of th					
Likely				,		
Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3	S2S3	· N	LT	
Mesic flatwoods	r fortua darrariin orang	G4	S4	N	. N	
Mycteria americana	Wood Stork	G4	S2	LE	ĹÈ	
Sandhill	VVOOG OTOTK "	G3	S2	N	N	
		65	.02	14	11	
Potential						
Aimophila aestivalis	Bachman's Sparrow	G3	S3	N	N -	
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	· N	LS	
Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3	N	LE	
Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	N	LE	
Coelorachis tuberculosa	Piedmont Jointgrass	G3	S3	Ñ	LT	
Drymarchon couperi	Eastern Indigo Snake	G3	· S3	LT	ĹŤ	
	Gopher Tortoise	G3	S3	N	ĹŤ	
Gopherus polyphemus		G3	S3	N	N	
Gymnopogon chapmanianus	Chapman's Skeletongrass					
Heterodon simus	Southern Hognose Snake	G2 ·	S2	N	N	
Lechea cernua	Nodding Pinweed	G3	S3	N	LT	
Litsea aestivalis	Pondspice	G3 ·	S2	N	LE	
Matelea floridana	Florida Spiny-pod	G2	S2	N	LE	
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N	N .	
Nemastylis floridana	Celestial Lily	G2	S2 '	N	LE	
Neofiber alleni	Round-tailed Muskrat	G3 ····	S3	N	N	
Nolina atopocarpa	Florida Beargrass	G3	S3	- N	LT	
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N	N	
Panicum abscissum	Cutthroat Grass	G3	S3	N	LE	
Picoides borealis	Red-cockaded Woodpecker	G3	\$2	ĹĖ	LS	
Platanthera integra	Yellow Fringeless Orchid	G3G4	S3	N	ĹĔ	
Podomys floridanus	Florida Mouse	G3	S3	N	LS	
Pteroglossaspis ecristata	Giant Orchid	G2G3	S2	Ň	LT	
	Gopher Frog	G2G3	S3		LS	
Rana capito		G5T3	S3	N	LS	
Sciurus niger shermani	Sherman's Fox Squirrel			N		
Stilosoma extenuatum	Short-tailed Snake	G3	S3	N	LT	
Ursus americanus floridanus	Florida Black Bear	G5T2	S2	N	LT*	
Matrix Unit ID: 22724						
Likely		•				
Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3	S2S3	N	LT	
Mesic flatwoods		G4	S4	. N	N	
Mycteria americana	Wood Stork	G4	S2	LE	LE	
Sandhill		G3	S2 .	N	N	

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2008 Page 5 of 15

04/16/2008





INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Potential			٠,		
Aimophila aestivalis	Bachman's Sparrow	G3	S3	N	.` N
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3 .	N	LS
Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3	Ň	LE
Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	N	LE
Coelorachis tuberculosa	Piedmont Jointgrass	G3.	S3	N	LT
Conradina brevifolia	Short-leaved Rosemary	G2Q	S2 ·	LE .	LE
Corynorhinus rafinesquii	Rafinesque's Big-eared Bat	G3G4	S2	N ·	N
Drymarchon couperi	Eastern Indigo Snake	G3	S3	ĹŤ	LT
Gopherus polyphemus	Gopher Tortoise	G3:		N	LT
Gymnopogon chapmanianus	Chapman's Skeletongrass	G3	S3	· N	N
Heterodon simus	Southern Hognose Snake	G2	S2	N N	N
			S2 S3	N N	LT
Lechea cernua	Nodding Pinweed Pine Pinweed	G3			
Lechea divaricata		G2	· S2	N	LE
Litsea aestivalis	Pondspice	G3	S2	N	LE
Matelea floridana	Florida Spiny-pod	G2	S2	N	LE
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N	N
Nemastylis floridana	Celestial Lily	- G2	S2	N	LE
Neofiber alleni	Round-tailed Muskrat	G3	S3	N	N
Nolina atopocarpa	Florida Beargrass	G3	S3	. N .	LT
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N	N
Panicum abscissum	Cutthroat Grass	G3	S3	N	LE
Picoides borealis	Red-cockaded Woodpecker	G3	S2	LE	LS
Platanthera integra	Yellow Fringeless Orchid	G3G4	S3	N	LE
Podomys floridanus	Florida Mouse	- G3	S3	N .	LS
Pteroglossaspis ecristata	Giant Orchid	G2G3	S2	N	LT
Rana capito	Gopher Frog	G3	S3	N	LS
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3 -	Ν .	· LS
Stilosoma extenuatum	Short-tailed Snake	G3	S3	N N	LT
Ursus americanus floridanus	Florida Black Bear	G5T2	S2	N	LT*
Matrix Unit ID: 22970					
Likely			T.		•
		• •			
Ardea alba	Great Egret	G5	S4	N	Ν
Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Mesic flatwoods	A Company of the Comp	G4	S4	N ,	. N
Mycteria americana	Wood Stork	G4	S2	LE	LE
Sandhill		G3	S2	N.	N
Potential		•			
Aimanhila agativalia	Bachman's Charrett	C 2	. 63	A.I	NÎ.
Almophila aestivalis	Bachman's Sparrow	G3	S3	N	N
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	N	LS
Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3	N	LE
Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	N	ΓĒ
Coelorachis tuberculosa	Piedmont Jointgrass	G3	. S3	N	LT
Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT
Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT
Gymnopogon chapmanianus	Chapman's Skeletongrass	G3	S3	N	N

Definitions: Documented - Rare species and natural communities documented on or near this site.





Natural Areas				30	31
INVENTORY		Global	State	Federal	State
Scientific Name	Common Name	Rank	Rank	Status	Listing _
Heterodon simus	Southern Hognose Snake	G2	S2 · `	N ·	
Lechea cernua	Nodding Pinweed	G3	S3	N	ĹŤ
Litsea aestivalis	Pondspice	G3	S2 -	N,	LE
Matelea floridana	Florida Spiny-pod	G2	S2	N	LE .
		G5T3	S3	N	N
Mustela frenata peninsulae	Florida Long-tailed Weasel			, N	LE
Nemastylis floridana	Celestial Lily	G2	S2		
Neofiber alleni	Round-tailed Muskrat	G3	S3	N	N
Nolina atopocarpa	Florida Beargrass	G3	S3	N	LT
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N	N
Panicum abscissum	Cutthroat Grass	G3	S3 ⁻	N	LE
Picoides borealis	Red-cockaded Woodpecker	G3	S2	LE	LS
Platanthera integra	Yellow Fringeless Orchid	G3G4	S3	Ν	LE
Podomys floridanus	Florida Mouse	G3	S3 -	N	LS
Pteroglossaspis ecristata	Giant Orchid	G2G3	S2	N	LT
Rana capito	Gopher Frog	G3	S3	N	LS
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS
Stilosoma extenuatum	Short-tailed Snake	G3	S3	N	LT
Ursus americanus floridanus	Florida Black Bear	G5T2	S2	N	LT*
Matrix Unit ID: 22971					
Likely					
•					
Aphelocoma coerulescens	Florida Scrub-jay	G2	S2	LT	LT
Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Mesic flatwoods		G4	S4	N_	N
Mycteria americana	Wood Stork	G4	S2	LE	LE
Sandhill	to the second	G3	S2	N	N
Scrub		G2	S2	N	N
Potential					•
Aimophila aestivalis	Bachman's Sparrow	G3	S3	N	N
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	. S3	N	LS
Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3	N	LE
Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	N	·LE
Conradina brevifolia	Short-leaved Rosemary	G2Q	S2	LE	LE.
Corynorhinus rafinesquii	Rafinesque's Big-eared Bat	G3G4	S2 ·	N	N
Drymarchon couperi	Eastern Indigo Snake	G3	\$3	ĹŤ	LT
Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT
Gymnopogon chapmanianus	Chapman's Skeletongrass	G3	S3 ¹	Ň	N
Heterodon simus	Southern Hognose Snake	G2	S2	N	N
Lechea cernua	Nodding Pinweed	G3	S3	N	ĹŤ
Lechea divaricata	Pine Pinweed	G2	S2	N	ĹĖ
Litsea aestivalis	Pondspice	G3	S2	N	LE
		G2	S2	N	LE
Matelea floridana	Florida Spiny-pod	G5T3	S2 S3	N	N
Mustela frenata peninsulae	Florida Long-tailed Weasel				LE
Nemastylis floridana	Celestial Lily	G2	S2	N	
Neofiber alleni	Round-tailed Muskrat	G3 .	S3	N	N
Nolina atopocarpa	Florida Beargrass	G3	S3	N	LT
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N	N
Panicum abscissum	Cutthroat Grass	. G3	S3	N	LE

Definitions: Documented - Rare species and natural communities documented on or near this site.





NATUTAL ATEAS	•	Clobal	State Federal State
Scientific Name	Common Name	Global Rank	State Federal State Rank Status Listing
Picoides borealis	Red-cockaded Woodpecker	G 3	S2 LE LS
Platanthera integra	Yellow Fringeless Orchid	G3G4	S3 N LE
Podomys floridanus	Florida Mouse	G3	S3 N LS
Pteroglossaspis ecristata	Giant Orchid	G2G3	S2 N LT
Rana capito	Gopher Frog	G3	S3 N LS
Schizachyrium niveum	Scrub Bluestem	G1	S1 N LE
Stilosoma extenuatum	Short-tailed Snake	- G3	S3 N LT
Ursus americanus floridanus	Florida Black Bear	G5T2	S2 N LT*
Matrix Unit ID: 22972	· · · · · · · · · · · · · · · · · · ·		
Likely	And the state of the state of the		A Section Control
	Florido Comb inc	00	60°
Aphelocoma coerulescens	Florida Scrub-jay	G2	S2 LT LT
Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3	
Mesic flatwoods	Marie at Oriente	G4	S4 N N
Mycteria americana	Wood Stork	G4	S2 LE LE
Sandhill		G3	S2 N N
Sandhill upland lake Scrub		G3 G2	S2 N N S2 N N
Potential			
Aimophila aestivalis	Bachman's Sparrow	G3	S3 N N
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3 N LS
0: (0)	I londa ballowing Owl	GNR.	SNR N N
Bird Rookery Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3 N LE
Centrosema arenicola	Sand Butterfly Pea	G2Q	S2 N LE
Conradina brevifolia	Short-leaved Rosemary	. G2Q	S2 LE LE
Corynorhinus rafinesquii	Rafinesque's Big-eared Bat	G3G4	S2 N N
Drymarchon couperi	Eastern Indigo Snake	G3	S3 LT LT
Egretta tricolor	Tricolored Heron	G5	S4 N LS
Gopherus polyphemus	Gopher Tortoise	G3	S3 N LT
Gymnopogon chapmanianus	Chapman's Skeletongrass	G3	S3 N N
Heterodon simus	Southern Hognose Snake	G2	S2 N N
Lechea cernua	Nodding Pinweed	G3	S3 N LT
Lechea divaricata	Pine Pinweed	G2 .	S2 N LE
Litsea aestivalis	Pondspice	G3 -	S2 N LE
Matelea floridana	Florida Spiny-pod	G2	S2 N LE
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3 N N
Nemastylis floridana	Celestial Lily	G2	S2 N LE
Neofiber alleni	Round-tailed Muskrat	G3	S3 N N
Nolina atopocarpa	Florida Beargrass	G3	S3 N LT
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3 N N
Panicum abscissum	Cutthroat Grass	G3	S3 N LE
Picoides borealis	Red-cockaded Woodpecker	- G3	S2 LE LS
Platanthera integra	Yellow Fringeless Orchid	. G3G4	S3 N LE
Podomys floridanus	Florida Mouse	G3	S3 N LS
Rana capito	Gopher Frog	G3	S3 N LS
Schizachyrium niveum	Scrub Bluestem	G1	S1 N LE
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3 N LS
Stilosoma extenuatum	Short-tailed Snake	G3	S3 N LT

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No	itural Areas			٠.	10	21/2
Y., Y	INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
ι	Irsus americanus floridanus	Florida Black Bear	G5T2	S2	N	LT*
Matrix	Unit ID: 22973				·	
Like	ely					
E N N S	Aphelocoma coerulescens Drymarchon couperi Grus canadensis pratensis Mesic flatwoods Mycteria americana Sandhill Sandhill upland lake Scrub	Florida Scrub-jay Eastern Indigo Snake Florida Sandhill Crane Wood Stork	G2 G3 G5T2T3 G4 G4 G3 G3 G2	\$2 \$3 \$2\$3 \$4 \$2 \$2 \$2 \$2 \$2	LT LT N N LE N N	LT LT N LE N N
Pot	ential	The second second		- 1		
	Aimophila aestivalis Athene cunicularia floridana Bird Rookery Calopogon multiflorus Centrosema arenicola Conradina brevifolia Egretta tricolor Gopherus polyphemus Gymnopogon chapmanianus Heterodon simus Lechea cernua Lechea divaricata Litsea aestivalis Matelea floridana Mustela frenata peninsulae Nemastylis floridana Neofiber alleni Nolina atopocarpa Notophthalmus perstriatus Panicum abscissum Picoides borealis Platanthera integra Podomys floridanus Rana capito Schizachyrium niveum Sciurus niger shermani Stilosoma extenuatum Ursus americanus floridanus Warea carteri	Bachman's Sparrow Florida Burrowing Owl Many-flowered Grass-pink Sand Butterfly Pea Short-leaved Rosemary Tricolored Heron Gopher Tortoise Chapman's Skeletongrass Southern Hognose Snake Nodding Pinweed Pine Pinweed Pine Pinweed Pondspice Florida Spiny-pod Florida Long-tailed Weasel Celestial Lily Round-tailed Muskrat Florida Beargrass Striped Newt Cutthroat Grass Red-cockaded Woodpecker Yellow Fringeless Orchid Florida Mouse Gopher Frog Scrub Bluestem Sherman's Fox Squirrel Short-tailed Snake Florida Black Bear Carter's Warea	G3 G4T3 GNR G2G3 G2Q G5 G3 G2 G3 G2 G5T3 G2 G3 G3 G3 G3 G3 G3 G3 G3 G3 G3 G3 G3 G3	S3 S3 SNR S2S3 S2 S3 S2 S3 S2 S3 S2 S3 S2 S3 S3 S2 S3 S3 S2 S3 S3 S3 S3 S3 S3 S3 S3 S3 S3 S3 S3 S3	Tzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzz	N S N L L L S T N L L L L L L L L L L L L L L L L L L
	x Unit ID: 23219					
	ely		•			
	Aphelocoma coerulescens Grus canadensis pratensis	Florida Scrub-jay Florida Sandhill Crane	G2 G5T2T3	S2 S2S3	LT N	LT LT

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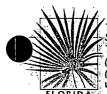
Documented-Historic - Rare species and natural communities documented, but not observed/reported within the last twenty years.

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.

Page 9 of 15

04/16/2008



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

Florida Natural Areas Inventory

Biodiversity Matrix Report



Natural Areas				18	51 8
INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Mesic flatwoods <i>Mycteria americana</i> Sandhill Scrub	Wood Stork	G4 G4 G3 G2	S4 S2 S2 S2	N LE N N	N LE N
Potential		-			
Aimophila aestivalis Athene cunicularia floridana Calopogon multiflorus Centrosema arenicola Conradina brevifolia Corynorhinus rafinesquii Drymarchon couperi Gopherus polyphemus Gymnopogon chapmanianus Heterodon simus Lechea cemua Lechea divaricata Litsea aestivalis Matelea floridana Mustela frenata peninsulae Nemastylis floridana Neofiber alleni Nolina atopocarpa Notophthalmus perstriatus Panicum abscissum Picoides borealis Platanthera integra Podomys floridanus Rana capito Schizachyrium niveum Stilosoma extenuatum Ursus americanus floridanus Zephyranthes simpsonii	Bachman's Sparrow Florida Burrowing Owl Many-flowered Grass-pink Sand Butterfly Pea Short-leaved Rosemary Rafinesque's Big-eared Bat Eastern Indigo Snake Gopher Tortoise Chapman's Skeletongrass Southern Hognose Snake Nodding Pinweed Pine Pinweed Pondspice Florida Spiny-pod Florida Long-tailed Weasel Celestial Lily Round-tailed Muskrat Florida Beargrass Striped Newt Cutthroat Grass Red-cockaded Woodpecker- Yellow Fringeless Orchid Florida Mouse Gopher Frog Scrub Bluestem Short-tailed Snake Florida Black Bear Rain Lily	G3 G4T3 G2G3 G2Q G2Q G3G4 G3 G3 G2 G3 G2 G3 G2 G5T3 G2 G3 G3 G3 G3 G3 G3 G3 G3 G3 G3 G3 G3 G3	\$3 \$3 \$2 \$3 \$2 \$2 \$2 \$3 \$3 \$3 \$2 \$2 \$3 \$2 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	N N N N E N T N N N N N N N N N N N N N	NSEEENTTNNTEEENENTNESESSETTT
Matrix Unit ID: 23220	Train Lily	020,0	0200		· ,, - ·
Likely			• *•		
Aphelocoma coerulescens Grus canadensis pratensis Mesic flatwoods Mycteria americana Sandhill	Florida Scrub-jay Florida Sandhill Crane Wood Stork	G2 G5T2T3 G4 G4 G3	\$2 \$2\$3 \$4 \$2 \$2	LT N N LE N	LT LT N LE N
Potential					·
Aimophila aestivalis Athene cunicularia floridana Calopogon multiflorus Centrosema arenicola Drymarchon couperi	Bachman's Sparrow Florida Burrowing Owl Many-flowered Grass-pink Sand Butterfly Pea Eastern Indigo Snake	G3 G4T3 G2G3 G2Q G3	\$3 \$3 \$2\$3 \$2 \$3	N N N N LT	N LS LE LE LT

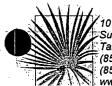
Definitions: Documented - Rare species and natural communities documented on or near this site.





Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Gopherus polyphemus	Gopher Tortoise	G3 ·-	S3	N.	LT
Gymnopogon chapmanianus	Chapman's Skeletongrass	- G3	S3	N	N
Heterodon simus	Southern Hognose Snake	G2	S2 🛷	N	N
Lechea cernua	Nodding Pinweed	G3	S3	N	LT
Lechea divaricata	Pine Pinweed	G2	S2	N	LE ·
Litsea aestivalis	Pondspice	G3	S2	N	LE
Matelea floridana	Florida Spiny-pod	G2	S2	N.	LE
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	· S3	N	N
Nemastylis floridana	Celestial Lily	G2	· S2	N	LE
Neofiber alleni	Round-tailed Muskrat	G3	S3	N	N
Nolina atopocarpa	Florida Beargrass	G3	S3	N	LT .
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N	N
Panicum abscissum	Cutthroat Grass	G3	S3	N	LE
Picoides borealis	Red-cockaded Woodpecker	- G3	S2	LE	LS 💀
Platanthera integra	Yellow Fringeless Orchid	G3G4	S3	N	LE
Podomys floridanus	Florida Mouse	G3	S3	N	LS
Rana capito	Gopher Frog	G3	S3	N	LS
Rostrhamus sociabilis plumbeus	Snail Kite	G4G5T3Q		LE	LE
Schizachyrium niveum	Scrub Bluestem	G1	S1 ·	N	LE
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS
Stilosoma extenuatum	Short-tailed Snake	G3	S3	N	ĹŤ
Ursus americanus floridanus	Florida Black Bear	G5T2	S2	N	LT*
Warea carteri	Carter's Warea	G3	S3	LE	LE.
Zephyranthes simpsonii	Rain Lily	G2G3	S2S3	N	LT
	ram zay	0200		, ,	- -
Matrix Unit ID: 23221			•		
Likely					
Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT -
Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Mesic flatwoods		G4	S4	N	Ν
Mycteria americana	Wood Stork	G4	S2	LE	LE
Potential		,			,
Aimophila aestivalis	Bachman's Sparrow	G3	S3	N	N
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	N ·	LS
Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3	N	LE
Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	N	LE
Corynorhinus rafinesquii	Rafinesque's Big-eared Bat	G3G4	S2	N	N
Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT
Gymnopogon chapmanianus	Chapman's Skeletongrass	G3	S3	N	N
Heterodon simus	Southern Hognose Snake	G2	S2	N	N
Lechea cernua	Nodding Pinweed	G3	· S3	N .	LT
Lechea divaricata	Pine Pinweed	G2	S2	N	LE
Litsea aestivalis	Pondspice	G3	S2 ⁻	N	LE
Matelea floridana	Florida Spiny-pod	G2	S2	N	LE
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	· N	N
Nemastylis floridana	Celestial Lily	G2	S2	·N	LE
Neofiber alleni	Round-tailed Muskrat	G3	S3	N	N
Nolina atopocarpa	Florida Beargrass	G3	S3	N	LT

Definitions: Documented - Rare species and natural communities documented on or near this site.



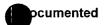
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Florida Natural Areas Inventory **Biodiversity Matrix Report**



Natural Areas		
INVENTORY		Global State Federal State
Scientific Name	Common Name	Rank Rank Status Listing
Notophthalmus perstriatus	Striped Newt	G2G3 S2S3 N N
Panicum abscissum	Cutthroat Grass	G3 S3 N LE
Picoides borealis	Red-cockaded Woodpecker	G3 S2 LE LS
Platanthera integra	Yellow Fringeless Orchid	G3G4 S3 N LE
Podomys floridanus	Florida Mouse	G3 S3 N LS
Pteroglossaspis ecristata	Giant Orchid	G2G3 S2 N LT
Rana capito	Gopher Frog	
Rostrhamus sociabilis plumbeus	Snail Kite	G4G5T3Q S2 LE LE
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3 S3 N LS
Stilosoma extenuatum	Short-tailed Snake	G3 S3 N LT
Ursus americanus floridanus	Florida Black Bear	G5T2 S2 N LT*
Warea carteri	Carter's Warea	G3 S3 LE LE
Matrix Unit ID: 23469	A Section of the Control of the Control	
Likely		A. A.
		the state of the s
Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3 S2S3 N LT
Mesic flatwoods	,	G4 S4 N N
Mycteria americana	Wood Stork	G4 S2 LE LE
_ Scrub		G2 S2 N N
Annalai		
tential		
Aimophila aestivalis	Bachman's Sparrow	G3 S3 N N
Athene cunicularia floridana	Florida Burrowing Owl	G4T3 S3 N LS
Calopogon multiflorus	Many-flowered Grass-pink	G2G3 S2S3 N LE
Centrosema arenicola	Sand Butterfly Pea	G2Q S2 N LE
Drymarchon couperi	Eastern Indigo Snake	G3 S3 LT LT
Gopherus polyphemus	Gopher Tortoise	G3 S3 N LT
Heterodon simus	Southern Hognose Snake	G2 S2 N N
Lechea cernua	Nodding Pinweed	G3 S3 N LT
Lechea divaricata	Pine Pinweed	G2 S2 N LE
Litsea aestivalis	Pondspice	G3 S2 N LE
Matelea floridana	Florida Spiny-pod	G2 S2 N LE
Mustelea Ironuaria Mustela frenata peninsulae		G5T3 S3 N N
	Florida Long-tailed Weasel	
Nemastylis floridana	Celestial Lily	
Neofiber alleni	Round-tailed Muskrat	G3 S3 N N
Nolina atopocarpa:	Florida Beargrass	G3 S3 N LT
Notophthalmus perstriatus	Striped Newt	G2G3 S2S3 N N
Picoides borealis	Red-cockaded Woodpecker	G3 S2 LE LS
Platanthera integra	Yellow Fringeless Orchid	G3G4 S3 N LE
Podomys floridanus	Florida Mouse	G3 S3 N LS
Rana capito	Gopher Frog	G3 S3 N LS
Rostrhamus sociabilis plumbeus	Snail Kite	G4G5T3Q S2 LE LE
Stilosoma extenuatum	Short-tailed Snake	G3 S3 N LT
Ursus americanus floridanus	Florida Black Bear	G5T2 S2 N LT*
Zephyranthes simpsonii	Rain Lily	G2G3 S2S3 N LT
· • •	•	

Matrix Unit ID: 23470



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.

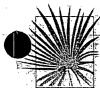
Likely - Rare species and natural communities likely to occur on this site based on suitable habitat and/or known occurrences in the vicinity. Potential - This site lies within the known or predicted range of the species listed.





Natural Areas				18	51/10	
Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing	
Aphelocoma coerulescens	Florida Scrub-jay	G2	S2	LT	LT	
Likely	1997 - Maria (1997)				•	
Drymarchon couperi Grus canadensis pratensis Mesic flatwoods Mycteria americana Sandhill upland lake Scrub	Eastern Indigo Snake Florida Sandhill Crane Wood Stork	G3 G5T2T3 G4 G4 G3 G2	S3 S2S3 S4 S2 S2 S2 S2	LT N N LE N	LT LT N LE N N	
Potential						
Aimophila aestivalis Athene cunicularia floridana Calopogon multiflorus Centrosema arenicola Corynorhinus rafinesquii Gopherus polyphemus Heterodon simus Lechea cernua Lechea divaricata Litsea aestivalis Mustela frenata peninsulae Nemastylis floridana Neofiber alleni Nolina atopocarpa Notophthalmus perstriatus Platanthera integra Podomys floridanus Rana capito Rostrhamus sociabilis plumbeus Schizachyrium niveum Stilosoma extenuatum Ursus americanus floridanus	Bachman's Sparrow Florida Burrowing Owl Many-flowered Grass-pink Sand Butterfly Pea Rafinesque's Big-eared Bat Gopher Tortoise Southern Hognose Snake Nodding Pinweed Pine Pinweed Pondspice Florida Long-tailed Weasel Celestial Lily Round-tailed Muskrat Florida Beargrass Striped Newt Yellow Fringeless Orchid Florida Mouse Gopher Frog Snail Kite Scrub Bluestem Short-tailed Snake Florida Black Bear	G3 G4T3 G2G3 G2Q G3G4 G3 G2 G3 G5T3 G2G3 G3G4 G3 G3 G4G5T3Q G1 G3 G5T2	\$3 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	zzzzzzzzzzzzzzzzzzzzzzz	N S L L L N L N L N L N L N L N L N L N	
Matrix Unit ID: 23471					,	
Documented						
Litsea aestivalis	Pondspice	G3	\$2	N	LE	
Likely		•				
Aphelocoma coerulescens Drymarchon couperi Grus canadensis pratensis Mesic flatwoods Mycteria americana Sandhill Scrub	Florida Scrub-jay Eastern Indigo Snake Florida Sandhill Crane Wood Stork	G2 G3 G5T2T3 G4 G4 G3 G2	\$2 \$3 \$2\$3 \$4 \$2 \$2 \$2	LT LT N N LE N	LT LT LT N LE N N	
Potential	· ·	•				
Aimophila aestivalis	Bachman's Sparrow	G3	S3	N	· N	

Definitions: Documented - Rare species and natural communities documented on or near this site.



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Florida Natural Areas Inventory Biodiversity Matrix Report



Natural Areas			2. 4	30	
INVENTORY		Global	State	Federal	
Scientific Name	Common Name	Rank	Rank	Status	Listing
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	Ň	LS
Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3	N	LE.
Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	N	, LE
Corynorhinus rafinesquii	Rafinesque's Big-eared Bat	G3G4	S2	Ň	N
Gopherus polyphemus	Gopher Tortoise	G3	S3	N	ĹŤ
Heterodon simus	Southern Hognose Snake	G2	S2	N.	N
Lechea cemua	Nodding Pinweed	G3	S3	N	LT
Lechea divaricata	Pine Pinweed	G2	S2 .	N	LE
Mustela frenata peninsulae	Florida Long-tailed Weasel	. G5T3	S3 :	N	N
Nemastylis floridana	Celestial Lily	G2	S2	Ñ	ĹĖ
Neofiber alleni	Round-tailed Muskrat	G3	S3	N	N
Nolina atopocarpa	Florida Beargrass	G3	S3	N	ĹŤ
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	N.	N
Platanthera integra	Yellow Fringeless Orchid	G3G4	S3	N	ĹĚ
Podomys floridanus	Florida Mouse	G3	S3	. N	LS
Rana capito	Gopher Frog	G3	⁻ S3	N	LS
Rostrhamus sociabilis plumbeus	Snail Kite	G4G5T3Q		LE	LE
Schizachyrium niveum	Scrub Bluestem	G1	S1	N	LE
Ursus americanus floridanus	Florida Black Bear	G5T2	S2	N	LT*
	Trottad Black Boat	00.2	02		
rix Unit ID: 23472			· .		
TEN				•	
Likely					
Aphelocoma coerulescens	Florida Scrub-jay	G2	S2	LT	LT
Drymarchon couperi	Eastern Indigo Snake	G3	S3	ĹŤ	ĹŤ
Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Litsea aestivalis	Pondspice	G3	S2	N .	LE
Mesic flatwoods		G4 ·	S4	N.	. N
Mycteria americana	Wood Stork	G4	S2	LE	LE
Sandhill		G3	S2 .	N	N
Scrub	•	G2	S2	N	· N
,					
Potential				e.	
Aimophila aestivalis	Bachman's Sparrow	G3	S3	N	N
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	N	LS
Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2\$3	N	LE
Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	N [^]	LE
Corynorhinus rafinesquii	Rafinesque's Big-eared Bat	G3G4	S2	N	N
Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT
Heterodon simus	Southern Hognose Snake	G2	S2	N	N
Lechea cemua	Nodding Pinweed	G3	S3	N	. LT
Lechea divaricata	Pine Pinweed	G2	S2 .	N	LE
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N	N
Nemastylis floridana	Celestial Lily	G2	S2	N	LE
Neofiber alleni	Round-tailed Muskrat	G3	S3	N	. N
Notophthalmus perstriatus	Striped Newt	G2G3	S2S3	Ń	N
Platanthera integra	Yellow Fringeless Orchid	G3G4	S3	Ň	LE
Podomys floridanus	Florida Mouse	G3	S3	Ň	LS
Rana capito	Gopher Frog	G3	S3	N	LS
Rostrhamus sociabilis plumbeus	Snail Kite	G4G5T3Q		LE	ĹĔ
			·-		=

Definitions: Documented - Rare species and natural communities documented on or near this site.



Natural Areas

Florida Natural Areas Inventory Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Ursus americanus floridanus	Florida Black Bear	G5T2	S2	N	LT*
Matrix Unit ID: 23723				•	
Likely		•		-	
Grus canadensis pratensis Mesic flatwoods Mycteria americana Sandhill Scrub	Florida Sandhill Crane Wood Stork	G5T2T3 G4 G4 G3 G2	\$2\$3 \$4 \$2 \$2 \$2 \$2	N N LE N N	LT N LE N N
Potential					
Aimophila aestivalis Athene cunicularia floridana Calopogon multiflorus Centrosema arenicola Coelorachis tuberculosa Corynorhinus rafinesquii Drymarchon couperi Gopherus polyphemus Gymnopogon chapmanianus Heterodon simus Lechea cernua Lechea divaricata Litsea aestivalis Matelea floridana Mustela frenata peninsulae Nemastylis floridana Neofiber alleni Nolina atopocarpa Notophthalmus perstriatus Panicum abscissum Picoides borealis Platanthera integra Podomys floridanus Pteroglossaspis ecristata Rana capito Rostrhamus sociabilis plumbeus	Bachman's Sparrow Florida Burrowing Owl Many-flowered Grass-pink Sand Butterfly Pea Piedmont Jointgrass Rafinesque's Big-eared Bat Eastern Indigo Snake Gopher Tortoise Chapman's Skeletongrass Southern Hognose Snake Nodding Pinweed Pine Pinweed Pondspice Florida Spiny-pod Florida Long-tailed Weasel Celestial Lily Round-tailed Muskrat Florida Beargrass Striped Newt Cutthroat Grass Red-cockaded Woodpecker Yellow Fringeless Orchid Florida Mouse Giant Orchid Gopher Frog Snail Kite	G3 G4T3 G2G3 G2Q G3 G3G4 G3 G2 G3 G2 G5T3 G2 G3 G3 G3 G3 G3 G3 G3 G4G5T3Q		z	N S E E T N T T N N T E E E N E N T N E S E S E S E S E S E S E S E S E S E
Rostrhamus sociabilis plumbeus Ursus americanus floridanus Warea carteri	Snail Kite Florida Black Bear Carter's Warea	G4G5T3Q G5T2. G3	S2 S2 S3	LE N LE	LE LT* LE

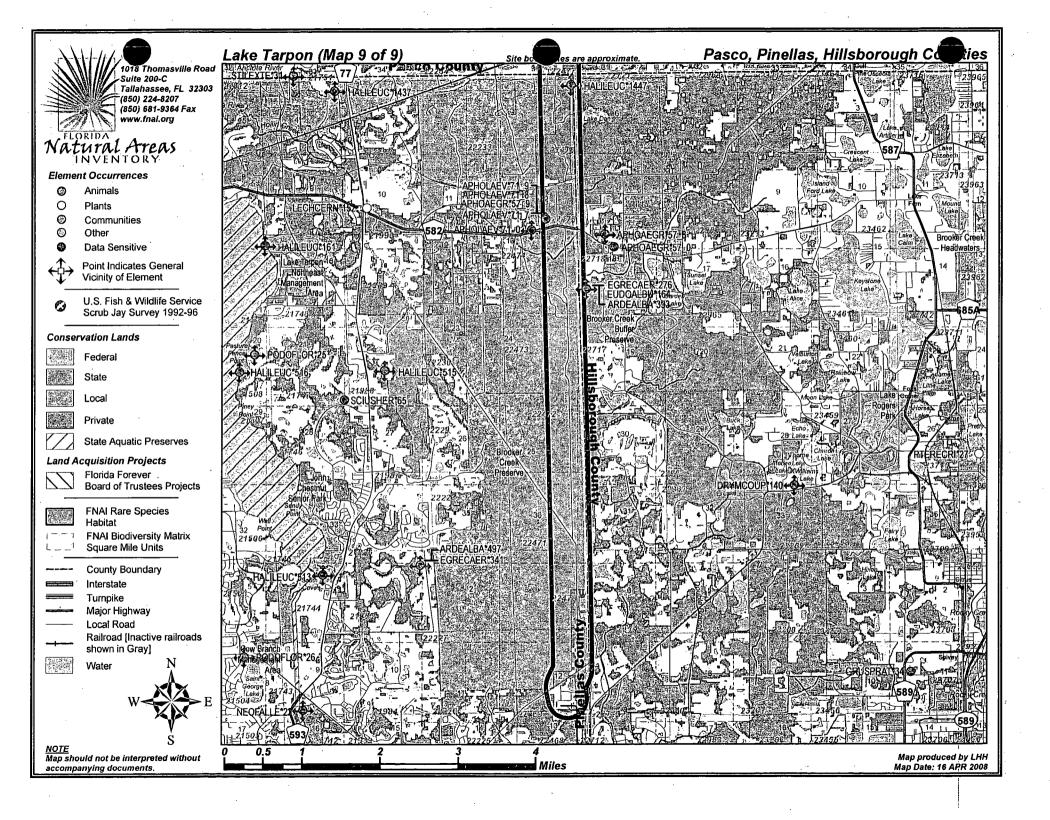
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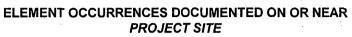
Likely - Rare species and natural communities likely to occur on this site based on suitable habitat and/or known occurrences in the vicinity.

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

Page 15 of 15



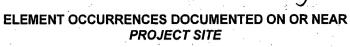






INVENT	ORY		Global	State	Federal	State	Observation	า	
Map Label	Scientific Name	Common Name			Status		Date	Description	EO Comments
DRYMCOUP*140	Drymarchon couperi	Eastern Indigo Snake	G3	S 3	LT	LT	1965-	No general description given	INDIGO OBSERVED BY J. S. GODLEY OR MARTY MARTIN IN 1965 (MOLER INTERVIEW OF GODLEY & MARTIN, 1982-03-27).
PTERECRI*27	Pteroglossaspis ecristata	Giant Orchid	G2G3	\$2	N	LT ·	1977-09-13	1977-09-13: Open area in sandhill community (Wunderlin).	1977-09-13: Only one flowering specimen seen; specimen taken [fi] (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 etha	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).







INVENT			Global	State:	Federal	State	Observatio	n #	
Map Label	Scientific Name	Common Name	Rank	Rank	Status	Listing	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).	n 1960-08-12: Flowering plant observed. n 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.
				* * *				A Market Control	McGowan, GFC, observation. Est. breeding pairs (=25). Nesting stages: Young flying/ready, nests abandone
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
			·				•	r de version de la companya de la c La companya de la co	(note different format) NEST: 1974-1988 ACTIVE. FLEDGED YOUNG 1977-1978, 1986 UNKNOWN.
HALILEUC*515	Haliaeetus leucocephalus	Bald Eagle	G5	S3	Ņ	LT	1986	No general description given	Nest status 1999-2003: Unknown/not assessed - 2003, 2002, 2001, 2000, 1999;
	•.							in the second	Status 1995-98: Unknown/not assessed - 1998, 1997, 1996, 1995;
· ·					10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				(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.







INVENT			Global	State	Federa	State	Observation	1	
Map Label	Scientific Name	Common Name	Rank	Rank	Status	Listing	Date	Description	EO Comments
PODOFLOR*25	Podomys floridanus	Florida Mouse	G3	S 3	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.		1998-02-11: 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	1998-0	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 ·	1998-1	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.





Matrix Unit ID: 22469	NATUTAL ATTERS		01-1-1	04:4-	Cadaval	محت محمد
Likely		Common Name	Global Rank	State Rank	Federal Status	State Listing
Likely	Matrix Unit ID: 22/69					
Drymarchon couperi Florida Sandhill Crane GST 2T3 S2S3 LT LT				100		
Grus canadensis pratensis Mesic flatwoods Mesic flatwoods Mycteria americana Wood Stork G4 S2 LE LE Potential Athene cunicularia floridana Calopogon multiflorus Many-flowered Grass-pink Centrosema arenicola Sand Butterfly Pea G2Q S2 N LE Corynorhifus rafinesquii Eumops floridanus Gopherus polyphemus Linum carferi var. smallii Nolina alopocarpa Panicum abscissum Picroides borealis Picroides borealis Picroides borealis Picroida Sin N LT Plorida bonneted bat G1 S1 N LE Gapherus G3A S3 N LT Lehea cernua Linum carferi var. smallii Nemastylis floridana Florida Long-tailed Weasel Florida Spiny-pod Red-cestal Lily G2Q S2 N LE Mustela frenata peninsulae Nolina alopocarpa Picroides borealis Red-cockaded Woodpecker Picroides borealis Red-cockaded Woodpecker Podomys floridanus Florida Mouse G3 S3 N LT Plorida Spiny-pod G3 S3 N LT Plorida Spiny-pod Red-cestal Lily G3 S2 N LE LS Plotomys floridanus Florida Spiny-pod Red-cockaded Woodpecker G3 S2 LE LS Plotomys floridanus Florida Mouse G3 S3 N LE Red-cockaded Woodpecker G3 S2 LE LS Plotomys floridanus Florida Mouse G3 S3 N LS Ploroglossaspis ecristata Rana capito Gopher Frog G3 S3 N LS Red-cockaded Woodpecker G3 S2 LE LS Plotomys floridanus Florida Black Bear G5T2 S2 N LE Nolina alopocarpa Plorida Mouse G3 S3 N LS VISUAL Credital Mouse G4 S4 N N N Mycteria americanus Florida Black Bear Potential Calopogon multiflorus Centrosecoma arenicola Controsecoma arenicola	Likely					
Mesic flatwoods G4 S2	Drymarchon couperi				LT	
Mycteria americana Wood Stork G4 S2 LE LE Potential Athene cunicularia floridana Florida Burrowing Owl G4T3 S3 N LS Calopogon multiflorus Many-flowered Grass-pink G2C3 S2S3 N LE Centrosema arenicola Sand Butterfly Pea G2Q S2 N LE Corynorhinus rafinesquii Rafinesque's Big-eared Bat G3C4 S2 N N Eumops floridanus Florida bonneted bat G1 S1 N LE Gopherus polyphemus Gopher Tortoise G3 S3 N LT Lehea cernua Nodding Pinweed G3 S3 N LT Lehea cernua Nodding Pinweed G3 S3 N LT Mustela frenata peninsulae Florida Spiny-pod G2 S2 N LE Mustela frenata peninsulae Florida Spiny-pod G2 S2 N LE Nemas tylis floridana Culsa <t< td=""><td></td><td>Florida Sandhill Crane</td><td></td><td></td><td></td><td></td></t<>		Florida Sandhill Crane				
Potential		NA. 10. 1				
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Calopogon multiflorus Many-flowered Grass-pink G2G3 S2S3 N LE Centrosema arenicola Sand Butterfly Pea G2Q S2 N LE Corprorhirius rafinesquii Rafinesque's Big-eared Bat G3C4 S2 N N Eumops floridanus Florida bonneted bat G1 S1 N LE Gopherus polyphemus Gopher Tortoise G3 S3 N LT Lechea cernua Nodding Pinweed G3 S3 N LT Mustelia flenata Cale Sull S3 N LE Mustelia flenata Cale Sull S3 N LE Moliana Florida Beargas	· · · · · · · · · · · · · · · · · · ·			, ,		
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Corynorhirius rafinesquii Rafinesque's Big-eared Bat G3G4 S2 N N Eumops floridanus Florida bonneted bat G1 S1 N LE Gopherus polyphemus Gopher Tortoise G3 S3 N LT Lechea cemue Nodding Pinweed G3 S3 N LT Linum carteri var. smallii Cater's Large-flowered Flax G2T2 S2 N LE Mustela frenata peninsulae Florida Spiny-pod G2 S2 N LE Mustela frenata peninsulae Florida Spiny-pod G2 S2 N LE Nolina atopocarpa Florida Beargrass G3 S3 N LT Nolina atopocarpa Florida Grass G3 S3 N LT Piccides borealis Red-cockaded Woodpecker G3 S2 LE LS Platanthera integra Yellow Fringeless Orchid G364 S3 N LE Podomys floridanus Florida Muse G3 S3 N						
Eumops floridanus						
Gopherus polyphemus Lechea cernua Lechea cernua Lechea cernua Linum carleri var. smallii Matelea floridana Mustela frenata peninsulae Florida Spiny-pod Florida Spiny-pod Florida Long-tailed Weasel Florida Long-tailed Weasel Florida Long-tailed Weasel Florida Beargrass Florida Gaga Florida Beargrass Florida Gaga Florida Black Bear Florida Black Bear Florida Black Bear Florida Black Bear Florida Sandhill Crane Florida Sandhill Crane Florida Sandhill Crane Florida Sandhill Crane Florida Gaga Florida Sandhill Crane Florida Sandhill Crane Florida Sandhill Crane Florida Gaga Florida Sandhill Crane Florida Gaga Flori						
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Ursus americanus floridanusFlorida Black BearG5T2S2NLT*Matrix Unit ID:22470LikelyDrymarchon couperiEastern Indigo SnakeG3S3LTLTGrus canadensis pratensisFlorida Sandhill CraneG5T2T3S2S3NLTMesic flatwoodsG4S4NNMycteria americanaWood StorkG4S2LEPotentialCalopogon multiflorusMany-flowered Grass-pinkG2G3S2S3NLECentrosema arenicolaSand Butterfly PeaG2QS2NLECoelorachis tuberculosaPiedmont JointgrassG3S3NLTCorynorhinus rafinesquiiRafinesque's Big-eared BatG3G4S2NNEumops floridanusFlorida bonneted batG1S1NLEGopherus polyphemusGopher TortoiseG3S3NLTLechea cemuaNodding PinweedG3S3NLTLinum carteri var. smalliiCarter's Large-flowered FlaxG2T2S2NLEMustela frenata peninsulaeFlorida Long-tailed WeaselG5T3S3NN	Sciurus niger shermani	Sherman's Fox Squirrel				
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PotentialCalopogon multiflorusMany-flowered Grass-pinkG2G3S2S3NLECentrosema arenicolaSand Butterfly PeaG2QS2NLECoelorachis tuberculosaPiedmont JointgrassG3S3NLTCorynorhinus rafinesquiiRafinesque's Big-eared BatG3G4S2NNEumops floridanusFlorida bonneted batG1S1NLEGopherus polyphemusGopher TortoiseG3S3NLTLechea cernuaNodding PinweedG3S3NLTLinum carteri var. smalliiCarter's Large-flowered FlaxG2T2S2NLEMustela frenata peninsulaeFlorida Long-tailed WeaselG5T3S3NN			G4			
PotentialCalopogon multiflorusMany-flowered Grass-pinkG2G3S2S3NLECentrosema arenicolaSand Butterfly PeaG2QS2NLECoelorachis tuberculosaPiedmont JointgrassG3S3NLTCorynorhinus rafinesquiiRafinesque's Big-eared BatG3G4S2NNEumops floridanusFlorida bonneted batG1S1NLEGopherus polyphemusGopher TortoiseG3S3NLTLechea cernuaNodding PinweedG3S3NLTLinum carteri var. smalliiCarter's Large-flowered FlaxG2T2S2NLEMustela frenata peninsulaeFlorida Long-tailed WeaselG5T3S3NN	Mycteria americana	Wood Stork	G4	S2	LE	LE
Centrosema arenicolaSand Butterfly PeaG2QS2NLECoelorachis tuberculosaPiedmont JointgrassG3S3NLTCorynorhinus rafinesquiiRafinesque's Big-eared BatG3G4S2NNEumops floridanusFlorida bonneted batG1S1NLEGopherus polyphemusGopher TortoiseG3S3NLTLechea cernuaNodding PinweedG3S3NLTLinum carteri var. smalliiCarter's Large-flowered FlaxG2T2S2NLEMustela frenata peninsulaeFlorida Long-tailed WeaselG5T3S3NN	Potential	a second				
Centrosema arenicolaSand Butterfly PeaG2QS2NLECoelorachis tuberculosaPiedmont JointgrassG3S3NLTCorynorhinus rafinesquiiRafinesque's Big-eared BatG3G4S2NNEumops floridanusFlorida bonneted batG1S1NLEGopherus polyphemusGopher TortoiseG3S3NLTLechea cernuaNodding PinweedG3S3NLTLinum carteri var. smalliiCarter's Large-flowered FlaxG2T2S2NLEMustela frenata peninsulaeFlorida Long-tailed WeaselG5T3S3NN	Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3	N	LE
Corynorhinus rafinesquiiRafinesque's Big-eared BatG3G4S2NNEumops floridanusFlorida bonneted batG1S1NLEGopherus polyphemusGopher TortoiseG3S3NLTLechea cernuaNodding PinweedG3S3NLTLinum carteri var. smalliiCarter's Large-flowered FlaxG2T2S2NLEMustela frenata peninsulaeFlorida Long-tailed WeaselG5T3S3NN	Centrosema arenicola				N.	
Eumops floridanusFlorida bonneted batG1S1NLEGopherus polyphemusGopher TortoiseG3S3NLTLechea cernuaNodding PinweedG3S3NLTLinum carteri var. smalliiCarter's Large-flowered FlaxG2T2S2NLEMustela frenata peninsulaeFlorida Long-tailed WeaselG5T3S3NN						
Gopherus polyphemusGopher TortoiseG3S3NLTLechea cemuaNodding PinweedG3S3NLTLinum carteri var. smalliiCarter's Large-flowered FlaxG2T2S2NLEMustela frenata peninsulaeFlorida Long-tailed WeaselG5T3S3NN						
Lechea cernuaNodding PinweedG3S3NLTLinum carteri var. smalliiCarter's Large-flowered FlaxG2T2S2NLEMustela frenata peninsulaeFlorida Long-tailed WeaselG5T3S3NN						
Linum carteri var. smallii Carter's Large-flowered Flax G2T2 S2 N LE Mustela frenata peninsulae Florida Long-tailed Weasel G5T3 S3 N N						
Mustela frenata peninsulae Florida Long-tailed Weasel G5T3 S3 N N						
Nolina atopocarpa Florida Beargrass G3 S3 N LT						

Definitions: Documented - Rare species and natural communities documented on or near this site.





. 1	Natural Areas					18	1851		
	INVENTORY Scientific Name	•	Common Name	Global Rank	State Rank	Federal Status	State Listing		
	Panicum abscissum Picoides borealis Platanthera integra Podomys floridanus Pteroglossaspis ecristata Rana capito Sciurus niger shermani Ursus americanus floridanus		Cutthroat Grass Red-cockaded Woodpecker Yellow Fringeless Orchid Florida Mouse Giant Orchid Gopher Frog Sherman's Fox Squirrel Florida Black Bear	G3 G3 G3G4 G3 G2G3 G3 G5T3 G5T2	\$3 \$2 \$3 \$3 \$2 \$3 \$3 \$3 \$2	N LE N N N N N N N N	LE LS LE LS LT LS LS LT*		
Mat	trix Unit ID: 22471	•	Section 1995						
L	_ikely	•							
	Drymarchon couperi Grus canadensis pratensis Mesic flatwoods Mycteria americana		Eastern Indigo Snake Florida Sandhill Crane Wood Stork	G3 G5T2T3 G4 G4	S3 S2S3 S4 S2	LT N N LE	LT LT N LE		
F	Potential		*		•				
	Calopogon multiflorus Centrosema arenicola Coelorachis tuberculosa Eumops floridanus Gopherus polyphemus Lechea cernua Linum carteri var. smallii Mustela frenata peninsulae Nemastylis floridana Neofiber alleni Nolina atopocarpa Panicum abscissum Picoides borealis Platanthera integra Podomys floridanus Rana capito Sciurus niger shermani Ursus americanus floridanus		Many-flowered Grass-pink Sand Butterfly Pea Piedmont Jointgrass Florida bonneted bat Gopher Tortoise Nodding Pinweed Carter's Large-flowered Flax Florida Long-tailed Weasel Celestial Lily Round-tailed Muskrat Florida Beargrass Cutthroat Grass Red-cockaded Woodpecker Yellow Fringeless Orchid Florida Mouse Gopher Frog Sherman's Fox Squirrel Florida Black Bear	G2G3 G2Q G3 G1 G3 G3 G2T2 G5T3 G2 G3 G3 G3 G3 G3 G3 G3 G5T3 G5T2	\$2\$3 \$2 \$3 \$1 \$3 \$3 \$2 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	N N N N N N N N N N N N N N N N N N N	LE LT LE T LE N LE N LT LE S LE S S S LT*		
	trix Unit ID: 22472 Likely						,		
	Drymarchon couperi Grus canadensis pratensis Mesic flatwoods Mycteria americana		Eastern Indigo Snake Florida Sandhill Crane Wood Stork	G3 G5T2T3 G4 G4	S3 S2S3 S4 S2	LT N N LE	LT LT N LE		
F	Potential								
	Athene cunicularia floridana Calopogon multiflorus Centrosema arenicola Coelorachis tuberculosa		Florida Burrowing Owl Many-flowered Grass-pink Sand Butterfly Pea Piedmont Jointgrass	G4T3 G2G3 G2Q G3	S3 S2S3 S2 S3	N N N N	LS LE LE 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.

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

04/16/2008 Page 2 of 12





Natural Areas				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
INVENTORY		Global	State	Federal	
Scientific Name	Common Name	Rank	Rank	Status	Listing
Eumops floridanus	Florida bonneted bat	G1	S1	N	LE
Gopherus polyphemus	Gopher Tortoise	G3 .	S3	N	LT
Lechea cemua	Nodding Pinweed	G3	S3	N	LT
Linum carteri var. smallii	Carter's Large-flowered Flax	G2T2	S2	N	LE
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N	. N
Nemastylis floridana	Celestial Lily	G2	S2	N	LE
Neofiber alleni	Round-tailed Muskrat	G3	S3	N	N
Nolina atopocarpa	Florida Beargrass	G3.	S3	N N	LT
Panicum abscissum	Cutthroat Grass	G3	S3	N	ĹĖ
Platanthera integra	Yellow Fringeless Orchid	G3G4	S3 -	. N	LE
Podomys floridanus	Florida Mouse	G3	S3	N	LS
Pteroglossaspis ecristata	Giant Orchid	-G2G3	S2	N	LT
Rana capito	Gopher Frog	G3	<u>§3</u>	N	ĹS
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS
Ursus americanus floridanus	Florida Black Bear	G5T2	S2	Ň	LT*
orsus americanus nondanus	I lotted black beat	G512	52	· · · · · ·	<u>-</u> 1
Matrix Unit ID: 22473				• •	
Likely		•			, 1
Ardea alba	Great Egret	G5	S4	N	. N
Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT
Egretta caerulea	Little Blue Heron	G5	S4	N	LS
Eudocimus albus	White Ibis	G5	S4	N	LS
Grus canadensis pratensis		G5T2T3	S2S3	N	LT
Mesic flatwoods	Florida Sandhill Crane	G51213			N
Mycteria americana	Wood Stork	G4 G4	S4 S2	N LE	LE
-	WOOD Stork	94	32	LE	LE
Potential	ering in the second of the sec				
Aimophila aestivalis	Bachman's Sparrow	G3	S3	N	N
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	N	LS
Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3 ₂	N	LE ·
Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	N	LE
Coelorachis tuberculosa	Piedmont Jointgrass	G3	S3	N	LT
Corynorhinus rafinesquii	Rafinesque's Big-eared Bat	G3G4	S2	N	N
Eumops floridanus	Florida bonneted bat	G1	S1	. N	LE
Gopherus polyphemus	Gopher Tortoise	G3	, S3	N	LT
Lechea cernua	Nodding Pinweed	G3	S 3	N	LT
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S 3	N	N.
Nemastylis floridana	Celestial Lily	G2	S2	N	LE "
Neofiber alleni	Round-tailed Muskrat	G3	\$3	Ñ	N
Nolina atopocarpa	Florida Beargrass	G3	S3 .	Ñ	LT
Panicum abscissum	Cutthroat Grass	G3	S3	N	LE
Picoides borealis	Red-cockaded Woodpecker	G3	S2	ĹĚ	LS
Platanthera integra	Yellow Fringeless Orchid	G3G4	S3	N .	LE
Podomys floridanus	Florida Mouse	G3	S3	N	LS
Pteroglossaspis ecristata	Giant Orchid	G2G3	S2	N	LT
Rana capito	Gopher Frog	G2G3	S3	N	LS
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS
Stilosoma extenuatum	Short-tailed Snake	G3	S3	N	LT
Ursus americanus floridanus	Florida Black Bear	G5T2	S2	N	LT*
Crous amondanas nondanas	I IOIIdd Didok Dedi	0012	02	14	-1

Definitions: Documented - Rare species and natural communities documented on or near this site.





Natural Areas	•					
Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing	
Matrix Unit ID: 22474						
Likely						
Ardea alba Egretta caerulea Eudocimus albus Grus canadensis pratensis Mesic flatwoods Mycteria americana	Great Egret Little Blue Heron White Ibis Florida Sandhill Crane Wood Stork	G5 G5 G5 G5T2T3 G4 G4	\$4 \$4 \$4 \$2\$3 \$4 \$2	N N N N N LE	N LS LS LT N LE	
Potential			• *			
Aimophila aestivalis Athene cunicularia floridana Calopogon multiflorus Centrosema arenicola Coelorachis tuberculosa Corynorhinus rafinesquii Drymarchon couperi Eumops floridanus Gopherus polyphemus Gymnopogon chapmanianus Lechea cernua Mustela frenata peninsulae Nemastylis floridana Neofiber alleni Nolina atopocarpa Panicum abscissum Picoides borealis Platanthera integra Podomys floridanus Pteroglossaspis ecristata Rana capito Sciurus niger shermani Stilosoma extenuatum Ursus americanus floridanus	Bachman's Sparrow Florida Burrowing Owl Many-flowered Grass-pink Sand Butterfly Pea Piedmont Jointgrass Rafinesque's Big-eared Bat Eastern Indigo Snake Florida bonneted bat Gopher Tortoise Chapman's Skeletongrass Nodding Pinweed Florida Long-tailed Weasel Celestial Lily Round-tailed Muskrat Florida Beargrass Cutthroat Grass Red-cockaded Woodpecker Yellow Fringeless Orchid Florida Mouse Giant Orchid Gopher Frog Sherman's Fox Squirrel Short-tailed Snake Florida Black Bear	G3 G4T3 G2G3 G2Q G3 G3G4 G3 G3 G5T3 G2 G3 G3 G3 G3 G3 G3 G3 G3 G3 G3 G3 G3 G3	\$3 \$3 \$2 \$3 \$2 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	z z z z z z z z z z z z z z z z z z z	N S LE LT N L LE LT N L N L L L S LE S L S L S L S L S L S L S L	
Matrix Unit ID: 22475			•			
Documented				•		
Aphodius aegrotus Aphodius laevigatus	Small Pocket Gopher Aphodius Beetl Large Pocket Gopher Aphodius Beetl		S3? S3?	N N	N N	
Likely						
Ardea alba Egretta caerulea Eudocimus albus Grus canadensis pratensis Mesic flatwoods Mycteria americana	Great Egret Little Blue Heron White Ibis Florida Sandhill Crane Wood Stork	G5 G5 G5 G5T2T3 G4 G4	\$4 \$4 \$4 \$2\$3 \$4 \$2	N N N N LE	N LS LS LT N LE	

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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.



Biodiversity Matrix Report



NATUTAL FITENS INVENTORY Scientific Name	Common Name	Global Rank		Federal Status		
Potential		1. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2.				_
Aimophila aestivalis	Bachman's Sparrow	G3	S3	N	N	
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	N	LS	
Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3	Ň	LE	•
Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	N	LE	
Coelorachis tuberculosa	Piedmont Jointgrass	G2Q	S3 3	N	LT	
				LT	LT	
Drymarchon couperi	Eastern Indigo Snake	G3	S3			
Eumops floridanus	Florida bonneted bat	G1	S1	N	LE LT	
Gopherus polyphemus	Gopher Tortoise	G3	S3 ·	N		
Gymnopogon chapmanianus	Chapman's Skeletongrass	G3	S3	N	<u>N</u>	
Lechea cernua	Nodding Pinweed	G3	\$3	N ·	LT	
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3 405		N	
Nemastylis floridana	Celestial Lily	G2	S2 -	N -	LE	
Neofiber alleni	Round-tailed Muskrat	G3	S3		N	
Nolina atopocarpa	Florida Beargrass	G3	S3	N	LT	
Panicum abscissum	Cutthroat Grass	G3	⁄a⊼ S3 ⇒⇔	, . · N	LE	
Picoides borealis	Red-cockaded Woodpecker	G3	S2	LE	LS	
Platanthera integra	Yellow Fringeless Orchid	G3G4	S3 🛷	5 N	LE	٠.
Podomys floridanus	Florida Mouse	G3 .	S3	N	LS	
Pteroglossaspis ecristata	Giant Orchid	G2G3	S2	. N	LT	
Rana capito	Gopher Frog	G3 ×	S3:	N	LS	
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS	
Stilosoma extenuatum	Short-tailed Snake	G3	⇒ S3	N	LT	
Ursus americanus floridanus	Florida Black Bear	G5T2	S2	Ņ	LT*	
	$p \in \mathbb{F}_{\mathbf{z}}$	•		Sec. 1.	11 ×	
Matrix Unit ID: 22476	and the same of th		10,000 cm . g day			
Likely	The second secon	r	¥ . 13.	jag — ett v anga	erek Georgia	
Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3	S2S3	N	LT	
Mesic flatwoods	1 Ionda Sandrilli Crane	G31213	S4 · 1/2	Ň	N	
	Wood Stork		S2	LE		
<i>Mycteria americana</i> Sandhill	Wood Stork	G4 G3			LE	
Sandniii		GS	S2	N	N	
Potential	74		· · · · · · · · · · · · · · · · · · ·	• .	- 1	
Aimophila aestivalis	Bachman's Sparrow	G3	S3	N	N	
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	· S3	N	LS	
Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3	N	LE	
Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	N	LE	
Coelorachis tuberculosa	Piedmont Jointgrass	G3	S 3	N	LT	
Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	ĹŤ	
Eumops floridanus	Florida bonneted bat	Ğ1	S1	N	ĽΕ	
Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT	
Gymnopogon chapmanianus	Chapman's Skeletongrass	G3	S3	N	N	
Lechea cernua	Nodding Pinweed	G3	S3	N	ĹŤ	
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N	N	
Nemastylis floridana	Celestial Lily	G2	S2	N N	LE	
Neofiber alleni	Round-tailed Muskrat	G3	S3	N	N	
Nolina atopocarpa	Florida Beargrass	G3	S3 1	N	LT	
Panicum abscissum	Cutthroat Grass	G3	S3	N	LE	

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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.





INVENTORY		Global	State	Federal	State
Scientific Name	Common Name	Rank	Rank	Status	Listing
Picoides borealis	Red-cockaded Woodpecker	G3	S2,-	LE	LS
Platanthera integra	Yellow Fringeless Orchid	G3G4	S3 ^{cc}	Ν	LE
Podomys floridanus	Florida Mouse	G3	S3 `	N	LS
Pteroglossaspis ecristata	Giant Orchid	G2G3	S2.	Ν	ĹT
Rana capito	Gopher Frog	G3	S3	Ν	LS
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS
Stilosoma extenuatum	Short-tailed Snake	G3 ^{wall}	S3	· N	LT
Ursus americanus floridanus	Florida Black Bear	G5T2	S2	N	LT*
Matrix Unit ID: 22477			v .		
Documented			•		
Haliaeetus leucocephalus	Bald Eagle	G5	S3	N	LT
Likely					•
Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3	S2S3	Ņ	LT .
Mesic flatwoods		G4	S4	N	N
· Mycteria americana	Wood Stork	G4	S2	LE	LE
Sandhill		G3	S2	N	N
Potential					
Aimophila aestivalis	Bachman's Sparrow	G3	S3	N .	N
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3	N	ĹŠ
Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3	N	LE
Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	N	LE
Coelorachis tuberculosa	Piedmont Jointgrass	G3	S3	· N	LT
Drymarchon couperi	Eastern Indigo Snake	G3	S3	ĹŤ	ĹŤ
Eumops floridanus	Florida bonneted bat	G1	S1	N	LE.
Gopherus polyphemus	Gopher Tortoise	G3	S3	N	LT
Gymnopogon chapmanianus	Chapman's Skeletongrass	G3	S3	N	N
Heterodon simus	Southern Hognose Snake	G2	· S2	Ň	N
Lechea cernua	Nodding Pinweed	G3	S3	N	ĹŤ
Matelea floridana	Florida Spiny-pod	G2	S2	N	ĽΕ
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N	N
Nemastylis floridana	Celestial Lily	G2	S2	N	ĹÈ
Neofiber alleni	Round-tailed Muskrat	G3	S3	N	N.
Nolina atopocarpa	Florida Beargrass	G3	S3	N	LT
Panicum abscissum	Cutthroat Grass	G3	S3	N	ĽĖ.
Picoides borealis	Red-cockaded Woodpecker	G3	S2	LE	LS
Platanthera integra	Yellow Fringeless Orchid	G3G4	S3	N	LE
Podomys floridanus	Florida Mouse	G3	S3 ⁻	N	LS
Pteroglossaspis ecristata	Giant Orchid	G2G3	S2	N	LT
Rana capito	Gopher Frog	G3	S3	Ň	LS .
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3 1	Ň	LS
Stilosoma extenuatum	Short-tailed Snake	G3	S3	N	LT
Ursus americanus floridanus	Florida Black Bear	G5T2	S2	. N	LT*
T. Tao amondanao nonaanao	- 10.100 Piggi				

Matrix Unit ID: 22713



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.

04/16/2008



Biodiversity Matrix Report



Natural Areas		1851					
INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing		
Drymarchon couperi Grus canadensis pratensis	Eastern Indigo Snake Florida Sandhill Crane	G3 G5T2T3	S3 S2S3	LT N	LŤ LT		
Mesic flatwoods Mycteria americana	Wood Stork	G4 G4	S4 S2	N LE	N LE		
Potential							
Athene cunicularia floridana Calopogon multiflorus Centrosema arenicola Corynorhinus rafinesquii Eumops floridanus Glandularia tampensis Gopherus polyphemus Lechea cernua Linum carteri var. smallii Matelea floridana Mustela frenata peninsulae Nemastylis floridana Nolina atopocarpa Panicum abscissum Picoides borealis Platanthera integra Podomys floridanus Pteroglossaspis ecristata Rana capito Sciurus niger shermani Ursus americanus floridanus	Florida Burrowing Owl Many-flowered Grass-pink Sand Butterfly Pea Rafinesque's Big-eared Bat Florida bonneted bat Tampa Vervain Gopher Tortoise Nodding Pinweed Carter's Large-flowered Flax Florida Spiny-pod Florida Long-tailed Weasel Celestial Lily Florida Beargrass Cutthroat Grass Red-cockaded Woodpecker Yellow Fringeless Orchid Florida Mouse Giant Orchid Gopher Frog Sherman's Fox Squirrel Florida Black Bear	G4T3 G2G3 G2Q G3G4 G1 G2 G3 G3 G2T2 G2 G5T3 G3 G3 G3 G3 G3 G3 G3 G3 G3 G3 G3 G3 G3	\$3 \$2\$3 \$2 \$2 \$1 \$2 \$3 \$3 \$2 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	N N N N N N N N N N N N N N N N N N N	LS LE N LE LT T LE LE N LE T LE S LE S LT S S LT		
Matrix Unit ID: 22714							
Likely	Agentes Agentes (1966)						
Drymarchon couperi Grus canadensis pratensis Mesic flatwoods Mycteria americana	Eastern Indigo Snake Florida Sandhill Crane Wood Stork	G3 G5T2T3 G4 G4	\$3 \$2\$3 \$4 \$2	LT N N LE	LT LT N LE		
Potential	er La	. '					
Aimophila aestivalis Athene cunicularia floridana Calopogon multiflorus Centrosema arenicola Coelorachis tuberculosa Eumops floridanus Glandularia tampensis Gopherus polyphemus Lechea cernua Linum carteri var. smallii Matelea floridana Mustela frenata peninsulae Nemastylis floridana	Bachman's Sparrow Florida Burrowing Owl Many-flowered Grass-pink Sand Butterfly Pea Piedmont Jointgrass Florida bonneted bat Tampa Vervain Gopher Tortoise Nodding Pinweed Carter's Large-flowered Flax Florida Spiny-pod Florida Long-tailed Weasel Celestial Lily	G3 G4T3 G2G3 G2Q G3 G1 G2 G3 G3 G2T2 G2 G5T3 G2	\$3 \$3 \$2\$3 \$2 \$3 \$1 \$2 \$3 \$3 \$2 \$2 \$3 \$2 \$2	N N	N LS LE LE LT LE LE LT LE LE LT LE LE LT LE LE LE LE LE LE LE N LE		

Definitions: Documented - Rare species and natural communities documented on or near this site.





INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Neofiber alleni Nolina atopocarpa Panicum abscissum Picoides borealis Platanthera integra Podomys floridanus Pteroglossaspis ecristata Rana capito Sciurus niger shermani Ursus americanus floridanus	Round-tailed Muskrat Florida Beargrass Cutthroat Grass Red-cockaded Woodpecker Yellow Fringeless Orchid Florida Mouse Giant Orchid Gopher Frog Sherman's Fox Squirrel Florida Black Bear	G3 G3 G3 G3G4 G3 G2G3 G3 G5T3 G5T2	\$3 \$3 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$2 \$3	X	N LT LE LS LE LS LT LS LS LT*
Matrix Unit ID: 22715		_		٠	
Likely				•	
Drymarchon couperi Grus canadensis pratensis Mesic flatwoods Mycteria americana	Eastern Indigo Snake Florida Sandhill Crane Wood Stork	G3 G5T2T3 G4 G4	\$3 \$2\$3 \$4 \$2	LT N N LE	LT LT N LE
Potential			,		
Aimophila aestivalis Athene cunicularia floridana Calopogon multiflorus Centrosema arenicola Coelorachis tuberculosa Eumops floridanus Gopherus polyphemus Lechea cernua Linum carteri var. smallii Matelea floridana Mustela frenata peninsulae Nemastylis floridana Neofiber alleni Nolina atopocarpa Panicum abscissum Picoides borealis Platanthera integra Podomys floridanus Pteroglossaspis ecristata Rana capito Sciurus niger shermani Stilosoma extenuatum Ursus americanus floridanus	Bachman's Sparrow Florida Burrowing Owl Many-flowered Grass-pink Sand Butterfly Pea Piedmont Jointgrass Florida bonneted bat Gopher Tortoise Nodding Pinweed Carter's Large-flowered Flax Florida Spiny-pod Florida Long-tailed Weasel Celestial Lily Round-tailed Muskrat Florida Beargrass Cutthroat Grass Red-cockaded Woodpecker Yellow Fringeless Orchid Florida Mouse Giant Orchid Gopher Frog Sherman's Fox Squirrel Short-tailed Snake Florida Black Bear	G3 G4T3 G2G3 G2Q G3 G1 G3 G3 G2T2 G2 G5T3 G3 G3 G3 G3 G3 G3 G3 G3 G3 G3 G3 G3 G3	\$3 \$3 \$2 \$3 \$2 \$3 \$1 \$3 \$2 \$3 \$2 \$3 \$3 \$3 \$2 \$3 \$3 \$3 \$2 \$3 \$3 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	zzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzz	NSEELTELTEENENTESEST*
Matrix Unit ID: 22716			,		
Likely					
Drymarchon couperi Grus canadensis pratensis Mesic flatwoods	Eastern Indigo Snake Florida Sandhill Crane	G3 G5T2T3 G4	S3 S2S3 S4	LT N N	LT LT N

Definitions: Documented - Rare species and natural communities documented on or near this site.



Biodiversity Matrix Report



NATUTAL ATTERS INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Mycteria americana	Wood Stork	G4	S2	LE	LE
Potential		• .			
Aimophila aestivalis Athene cunicularia floridana Calopogon multiflorus Centrosema arenicola Coelorachis tuberculosa Eumops floridanus Gopherus polyphemus Lechea cernua Linum carteri var. smallii Mustela frenata peninsulae Nemastylis floridana Neofiber alleni Nolina atopocarpa Panicum abscissum Platanthera integra Podomys floridanus Pteroglossaspis ecristata Rana capito Sciurus niger shermani Stilosoma extenuatum Ursus americanus floridanus	Bachman's Sparrow Florida Burrowing Owl Many-flowered Grass-pink Sand Butterfly Pea Piedmont Jointgrass Florida bonneted bat Gopher Tortoise Nodding Pinweed Carter's Large-flowered Flax Florida Long-tailed Weasel Celestial Lily Round-tailed Muskrat Florida Beargrass Cutthroat Grass Yellow Fringeless Orchid Florida Mouse Giant Orchid Gopher Frog Sherman's Fox Squirrel Short-tailed Snake Florida Black Bear	G3 G4T3 G2G3 G2Q G3 G1 G3 G3 G2T2 G5T3 G2 G3 G3 G3 G3G4 G3 G2G3 G3 G5T3 G3 G5T2	\$3 \$3 \$2\$3 \$2 \$3 \$1 \$3 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	2222222222222222	NS LE LT LT LE NENT LE ST SST LT*
Likely	e de Marie de la Companya de la Com La companya de la Companya de	·			*
Ardea alba Drymarchon coupen Egretta caerulea Eudocimus albus Grus canadensis pratensis Mesic flatwoods Mycteria americana	Great Egret Eastern Indigo Snake Little Blue Heron White Ibis Florida Sandhill Crane Wood Stork	G5 G3 G5 G5 G5T2T3 G4 G4	\$4 \$3 \$4 \$4 \$2\$3 \$4 \$2\$3	N LT N N N N	N LT LS LS LT N LE
Potential	the state of the s			÷	•
Aimophila aestivalis Athene cunicularia floridana Calopogon multiflorus Centrosema arenicola Coelorachis tuberculosa Eumops floridanus Gopherus polyphemus Lechea cernua Mustela frenata peninsulae Nemastylis floridana Neofiber alleni Nolina atopocarpa Panicum abscissum	Bachman's Sparrow Florida Burrowing Owl Many-flowered Grass-pink Sand Butterfly Pea Piedmont Jointgrass Florida bonneted bat Gopher Tortoise Nodding Pinweed Florida Long-tailed Weasel Celestial Lily Round-tailed Muskrat Florida Beargrass Cutthroat Grass	G3 G4T3 G2G3 G2Q G3 G1 G3 G5T3 G2 G3 G3 G3	\$3 \$3 \$2\$3 \$2 \$3 \$1 \$3 \$3 \$3 \$2 \$3 \$3 \$2	× × × × × × × × × × × × × × × × × × ×	N S LE LT LT N LE N LT LE

Definitions: Documented - Rare species and natural communities documented on or near this site.





Global State Federal State Scientific Name Common Name Rank Rank Status Listing Platanthera integra Yellow Fringeless Orchid G3G4 **S3** LE Ν Podomys floridanus Florida Mouse **S3** LS G3 Ν Pteroglossaspis ecristata Giant Orchid **S2** G2G3 N LT Rana capito **S3** Gopher Frog G3 Ν LS Sciurus niger shermani Sherman's Fox Squirrel G5T3 **S3** Ν LS Stilosoma extenuatum G3 **S3** Short-tailed Snake Ν LT S2 Ursus americanus floridanus Florida Black Bear G5T2 LT* Matrix Unit ID: 22718 Likely Ardea alba **Great Egret** G5 **S4** Ν Drymarchon couperi Eastern Indigo Snake G3 S3 LT LT Egretta caerulea Little Blue Heron G5 **S4** Ν LS Eudocimus albus White Ibis G5 S4. N LS Grus canadensis pratensis Florida Sandhill Crane **G5T2T3 S2S3** Ν LT Mesic flatwoods Ñ G4 S4 Ν Mycteria americana Wood Stork S2 LE G4 LE **Potential** Athene cunicularia floridana Florida Burrowing Owl LS G4T3 S3 Calopogon multiflorus Many-flowered Grass-pink G2G3 S2S3 LE Centrosema arenicola Sand Butterfly Pea G2Q S2 Ν LE Eumops floridanus Florida bonneted bat **S1** Ν LE G1 Gopherus polyphemus Gopher Tortoise G3 **S3** Ν LT Gymnopogon chapmanianus Chapman's Skeletongrass G3 S3⁻ Ν Ν Lechea cemua Nodding Pinweed G3 **S3** Ν LT Mustela frenata peninsulae Florida Long-tailed Weasel G5T3 **S3** Ν Ν Nemastylis floridana Celestial Lily G2 S2 Ν LE Neofiber alleni Round-tailed Muskrat G3 **S3** Ν Ν Nolina atopocarpa Florida Beargrass G3 **S3** Ν LT Panicum abscissum **Cutthroat Grass** G3 **S3** Ν LE Podomys floridanus Florida Mouse G3 **S3** Ν LS Pteroglossaspis ecristata Giant Orchid G2G3 S2 LT Ν Rana capito Gopher Frog G3 S3 LS Ν Sciurus niger shermani Sherman's Fox Squirrel G5T3 S3Ν LS Stilosoma extenuatum Short-tailed Snake G3 **S3** Ν LT Ursus americanus floridanus Florida Black Bear G5T2 S2 LT* Ν Matrix Unit ID: 22719 **Documented** Aphodius aegrotus Small Pocket Gopher Aphodius Beetle **S3?** GNR N Ν

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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.

G5

G5

G5

G5T2T3

G4

S4

S4

S4

S2S3

S2

Ν

N

Ν

Ν

LE

Ν

LS

LS

LT

LE

Great Egret

Wood Stork

White Ibis

Little Blue Heron

Florida Sandhill Crane

Likely

Ardea alba

Egretta caerulea

Eudocimus albus

Mycteria americana

Grus canadensis pratensis





Global State Federal Rank . Status Listing Scientific Name Common Name Rank **Potential** Aimophila aestivalis Bachman's Sparrow S3 G3 Ν Athene cunicularia floridana Florida Burrowing Owl G4T3 **S3** N LS Many-flowered Grass-pink Calopogon multiflorus G2G3 S2S3 -LE Ν Centrosema arenicola Sand Butterfly Pea G2Q S2 LE N Drymarchon couperi Eastern Indigo Snake G3. **S3** LT LT Florida bonneted bat Eumops floridanus S1 LE G1 Ν Gopherus polyphemus Gopher Tortoise LT G3 S3 N Gymnopogon chapmanianus Chapman's Skeletongrass G3 **S3** N N Lechea cemua Nodding Pinweed G3 **S3** N LT Matelea floridana Florida Spiny-pod G2 S2 LE Florida Long-tailed Weasel **S3** Mustela frenata peninsulae G5T3 Ν Nemastylis floridana Celestial Lily G2 S2 LE Round-tailed Muskrat Neofiber alleni G3 S3 Ν Nolina atopocarpa Florida Beargrass G3 **S3** N LT Panicum abscissum **Cutthroat Grass** G3 **S3** LE Picoides borealis Red-cockaded Woodpecker G3 S₂ LE LS Podomvs floridanus Florida Mouse G3 S3 N LS Pteroglossaspis ecristata Giant Orchid G2G3 S2 Ν LT Rana capito Gopher Frog **S3** G3... Ν LS Sciurus niger shermani Sherman's Fox Squirrel **S3** G5T3 Ν LS Stilosoma extenuatum Short-tailed Snake G3 **S3** Ν LT Ursus americanus floridanus Florida Black Bear G5T2 S₂ LT* Matrix Unit ID: 22720 Likely Grus canadensis pratensis Florida Sandhill Crane G5T2T3 **S2S3** Ν LT Mesic flatwoods **S4** G4 N Ν **S2** Mycteria americana Wood Stork G4 LE LE **Potential** Aimophila aestivalis Bachman's Sparrow --G3 S3 Athene cunicularia floridana Florida Burrowing Owl G4T3 **S3** LS Calopogon multiflorus Many-flowered Grass-pink G2G3 S2S3 Centrosema arenicola Sand Butterfly Pea. G2Q S2 . LE Ν Coelorachis tuberculosa **Piedmont Jointgrass S3** LT G3 Conradina brevifolia **Short-leaved Rosemary** G₂Q S₂ LE LE Drymarchon couperi Eastern Indigo Snake G3 **S3** LT LT Eumops floridanus Florida bonneted bat **G1 S1** N LE Gopherus polyphemus Gopher Tortoise G3 S3 Ν LT Gymnopogon chapmanianus Chapman's Skeletongrass G3 **S3** Ν Ν Lechea cernua **Nodding Pinweed** G3 **S3** N LT Matelea floridana Florida Spiny-pod G2 S2 LE N Mustela frenata peninsulae Florida Long-tailed Weasel G5T3 **S3** N Ν Nemastylis floridana Celestial Lily G2 S2 LE Ν Neofiber alleni Round-tailed Muskrat G3 **S3** N Ν Florida Beargrass

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.

Cutthroat Grass

G3

G3

S3

S3

Ν

N

LT

LE

Nolina atopocarpa

Panicum abscissum



NATUTAL FITEAS INVENTORY		Global	State	Federal	State
Scientific Name	Common Name	Rank	Rank	Status	Listing
Picoides borealis	Red-cockaded Woodpecker	G3	S2	LE.	LS
Platanthera integra	Yellow Fringeless Orchid	G3G4	S3	N	LÉ
Podomys floridanus	Florida Mouse	Ġ3	S3	N	LS
Pteroglossaspis ecristata	Giant Orchid	G2G3	S2	N	LT
Rana capito	Gopher Frog	G3	- S3	N	LS
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS
Stilosoma extenuatum	Short-tailed Snake	G3	S3	N	LT
Ursus americanus floridanus	Florida Black Bear	G5T2	S2	N	LT*
Matrix Unit ID: 22721					
Likely					
Grus canadensis pratensis	Florida Sandhill Crane	G5T2T3	S2S3	N	LT
Mycteria americana	Wood Stork	G4	S2	LE	LE
Potential		•			
Aimophila aestivalis	Bachman's Sparrow	· G3	S3	N	N
Athene cunicularia floridana	Florida Burrowing Owl	G4T3	S3 .	N	LS
Calopogon multiflorus	Many-flowered Grass-pink	G2G3	S2S3	N	LE
Centrosema arenicola	Sand Butterfly Pea	G2Q	S2	N	LE
Coelorachis tuberculosa	Piedmont Jointgrass	G3	S3	N	LT
Conradina brevifolia	Short-leaved Rosemary	G2Q	S2	LE	LE
Drymarchon couperi	Eastern Indigo Snake	G3	S3	LT	LT
Eumops floridanus	Florida bonneted bat	G1	S1 .	N	LE
Gopherus polyphemus	Gopher Tortoise	G3	S3	Ν.	LT
Gymnopogon chapmanianus	Chapman's Skeletongrass	G3	S3	N	N
Lechea cemua	Nodding Pinweed	G3	S3	N	LT
Matelea floridana	Florida Spiny-pod	G2	S2	N	LE
Mustela frenata peninsulae	Florida Long-tailed Weasel	G5T3	S3	N	N
Nemastylis floridana	Celestial Lily	G2	S2	N	LE
Neofiber alleni	Round-tailed Muskrat	G3	S3	N	N
Nolina atopocarpa	Florida Beargrass	G3	S3	N	LT
Panicum abscissum	Cutthroat Grass	G3	S3	N	LE ·
Picoides borealis	Red-cockaded Woodpecker	G3	S2	· LE	LS
Platanthera integra	Yellow Fringeless Orchid	G3G4	S3	Ν	LE
Podomys floridanus	Florida Mouse	G3	S3	N	LS
Pteroglossaspis ecristata	Giant Orchid	G2G3	S2	Ν	LT
Rana capito	Gopher Frog	G3	S3	N	LS
Sciurus niger shermani	Sherman's Fox Squirrel	G5T3	S3	N	LS
Stilosoma extenuatum	Short-tailed Snake	G3	S3	N	LT
Ursus americanus floridanus	Florida Black Bear	G5T2	S2	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.

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



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,

Brenda L. Mozafari, Senior Project Manager, Section 2

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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



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,

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

Enclosure

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

Approved By:

Joseph E. Powers, Ph.D.

Acting Regional Administrator

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

Date Issued:

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:

Common Name Scientific Name

Endangered

Green sea turtle
Kemp's ridley sea turtle
Hawksbill sea turtle
Leatherback sea turtle
Right whale
Humpback whale

Chelonia mydas*
Lepidochelys kempii
Eretmochelys imbricata
Dermochelys coriacea
Eubalaena glacialis
Megaptera novaeangliae

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 decaped 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-natchling 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 openocean 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 Eay, Laguna Madre, and the Gulf inlets of Texas (Doughty 1984, Hildebrand 1982, Shaver . 994), 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 (Renaud 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 comewhat 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.

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 'he 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 ITSs 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 overal! 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 bern 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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