

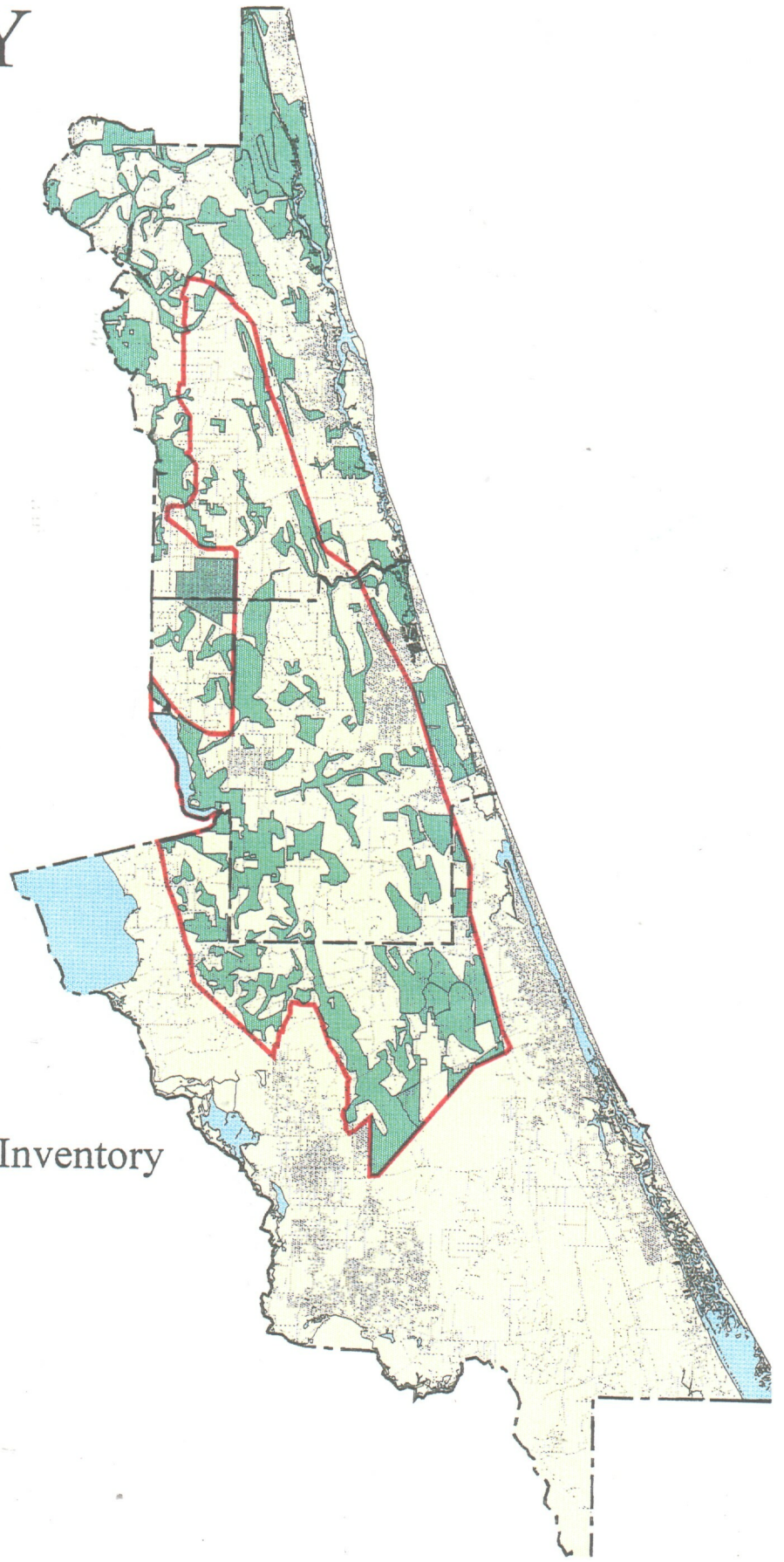
Special Publication SJ95-SP6

A NATURAL AREAS INVENTORY OF THE TIGER BAY AREA

IN FLAGLER,
ST. JOHNS,
AND VOLUSIA
COUNTIES,
FLORIDA

Appendices

The Florida Natural Areas Inventory
March 1995



A Naturals Areas Inventory of the Tiger Bay Area

In Flagler, St. Johns, and
Volusia Counties, Florida

Gary E. Schultz, Inventory Ecologist

Steve L. Orzell, Project Director

Final Report
March 1995

Contract Agreement Number 93D295
between
St. Johns River Water Management District
and
Florida Natural Areas Inventory
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Appendix I

Tiger Bay Study Area Sites and Their Associated FNAI Elements. (Arranged alphabetically by county, site name, natural communities, animals, and plants.)

Appendix I. Tiger Bay Study Area sites and their associated FNAI elements. Element Occurrence (EO) Rank represents the quality of an occurrence: A = excellent, B = good, C = marginal, D = poor. (See rank explanation sheet in Appendix IV for descriptions of Global Rank, State Rank, Federal Status and State Status.) Some elements lack EO ranks because they are based on preinventory data.

<u>Scientific Name</u>	<u>Common Name</u>	<u>Global Rank</u>	<u>State Rank</u>	<u>Federal Status</u>	<u>State Status</u>	<u>EO Rank</u>
BIMINI SOUTH SWAMP						
Related Sites: Flagler County PNA #8						
Basin Swamp		G4?	S3	N	N	B
BLACK BRANCH						
Related Sites: Flagler County PNA #14 and 15						
Basin Marsh		G?	S4?	N	N	B
Basin Swamp		G4?	S3	N	N	B
Floodplain Swamp		G?	S4?	N	N	
Floodplain Swamp		G?	S4?	N	N	B-C
DINNER ISLAND BIG CYPRESS SWAMP						
Related Sites: Flagler County PNA #3 and 4, Peterson Tract						
Basin Swamp		G4?	S3	N	N	A-B
Basin Swamp		G4?	S3	N	N	B
EAGLE ROCK RANCH						
Related Sites: Flagler County PNA #22						
Mesic Flatwoods		G?	S4	N	N	C
ESPANOLA CEMETERY						
Related Sites: Flagler County PNA #11						
Basin Swamp		G4?	S3	N	N	B-C
Baygall		G4?	S4?	N	N	B
ESPANOLA EAST SWAMP						
Related Sites: Flagler County PNA #27						
Basin Swamp		G4?	S3	N	N	B

<u>Scientific Name</u>	<u>Common Name</u>	<u>Global Rank</u>	<u>State Rank</u>	<u>Federal Status</u>	<u>State Status</u>	<u>EO Rank</u>
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GORE LAKE

Related Sites: Flagler County PNA #20

Basin Marsh		G?	S4?	N	N	B
Marsh Lake		G4	S4	N	N	B-C

HAW CREEK

Related Sites: Flagler County PNA #1, Volusia County PNA #8

Basin Marsh		G?	S4?	N	N	A
Basin Swamp		G4?	S3	N	N	B-C
Blackwater Stream		G4	S2	N	N	B
Floodplain Swamp		G?	S4?	N	N	A
Floodplain Swamp		G?	S4?	N	N	A
Floodplain Swamp		G?	S4?	N	N	A-B
Hydric Hammock		G?	S4?	N	N	B
Hydric Hammock		G?	S4?	N	N	C
Mesic Flatwoods		G?	S4	N	N	C
Wet Flatwoods		G?	S4?	N	N	C
Xeric Hammock		G?	S3	N	N	B
<i>Gopherus polyphemus</i>	Gopher tortoise	G3	S3	C2	LS	
<i>Haliaeetus leucocephalus</i>	Bald eagle	G3	S2S3	LE	LT	
<i>Pycnanthemum floridanum</i>	Florida mountain-mint	G3	S3	3C	N	

HULETT BRANCH

Related Sites: Flagler County PNA #17

Mesic Flatwoods		G?	S4	N	N	B-C
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LAKE DISSTON

Related Sites: Flagler County PNA #25

Floodplain Swamp		G?	S4?	N	N	A-B
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MIDDLE HAW CREEK

Related Sites: Flagler County PNA #10

Floodplain Swamp		G?	S4?	N	N	C-D
Hydric Hammock		G?	S4?	N	N	C-D
Wet Flatwoods		G?	S4?	N	N	D

<u>Scientific Name</u>	<u>Common Name</u>	<u>Global Rank</u>	<u>State Rank</u>	<u>Federal Status</u>	<u>State Status</u>	<u>EO Rank</u>
PRINGLE SWAMP						
Related Sites: Flagler County PNA #16						
Basin Swamp		G4?	S3	N	N	B-C
Wet Flatwoods		G?	S4?	N	N	C
<i>Helianthus carnosus</i>	Lake-side sunflower	G1G2	S1S2	C2	LE	B-C

TANK LAKE
Related Sites: Flagler County PNA #12

Baygall		G4?	S4?	N	N	B-C
Scrub		G2	S2	N	N	A-B
Swamp Lake		G4	S3	N	N	B
<i>Gopherus polyphemus</i>	Gopher tortoise	G3	S3	C2	LS	
<i>Lechea cernua</i>	Nodding pinweed	G3	S3	3C	LE	
<i>Persea humilis</i>	Scrub bay	G3	S3	3C	N	

WHITE OAK BRANCH FLATWOODS
Related Sites: Flagler County PNA #2

Dome Swamp		G4?	S3?	N	N	C
Mesic Flatwoods		G?	S4	N	N	C
Wet Flatwoods		G?	S4?	N	N	C
<i>Crotalus adamanteus</i>	Eastern diamondback rattlesnake	G5	S?	N	N	C
<i>Helianthus carnosus</i>	Lake-side sunflower	G1G2	S1S2	C2	LE	C

FISH TAIL SWAMP
Related Sites: St. Johns County PNA #24

Basin Swamp		G4?	S3	N	N	B
Baygall		G4?	S4?	N	N	B
Hydric Hammock		G?	S4?	N	N	A-B
Hydric Hammock		G?	S4?	N	N	C
<i>Elanoides forficatus</i>	American swallow-tailed kite	G5	S2S3	N	N	B?
<i>Nolina atopocarpa</i>	Florida bear-grass	G3	S3	C2	LE	

HASTINGS DEEP CREEK
Related Sites: St. Johns County PNA #2

Floodplain Swamp		G?	S4?	N	N	B-C
Hydric Hammock		G?	S4?	N	N	B-C
<i>Pycnanthemum floridanum</i>	Florida mountain-mint	G3	S3	3C	N	

<u>Scientific Name</u>	<u>Common Name</u>	<u>Global Rank</u>	<u>State Rank</u>	<u>Federal Status</u>	<u>State Status</u>	<u>EO Rank</u>
TRESTLE BAY SWAMP						
Related Sites: St. Johns County PNA #19						
Basin Swamp		G4?	S3	N	N	A-B
Mesic Flatwoods		G?	S4	N	N	B-C
<i>Elanoides forficatus</i>	American swallow-tailed kite	G5	S2S3	N	N	B?

BARBERVILLE DEEP CREEK

Related Sites: Volusia County PNA #12

Basin Marsh		G?	S4?	N	N	B
Basin Swamp		G4?	S3	N	N	B
Basin Swamp		G4?	S3	N	N	B
Basin Swamp		G4?	S3	N	N	C
Baygall		G4?	S4?	N	N	A-B
Blackwater Stream		G4	S2	N	N	B
Bog		G?	S3	N	N	C
Floodplain Swamp		G?	S4?	N	N	B-C
Hydric Hammock		G?	S4?	N	N	B-C
Mesic Flatwoods		G?	S4	N	N	B-C
Scrub		G2	S2	N	N	B
Scrub		G2	S2	N	N	C
Scrub		G2	S2	N	N	C
<i>Gopherus polyphemus</i>	Gopher tortoise	G3	S3	C2	LS	C?

DAN GEORGE LAKE

Related Sites: Volusia County PNA #16

Baygall		G4?	S4?	N	N	B-C
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LITTLE HAW CREEK

Related Sites: Volusia County PNA #21, Flagler County PNA #26

Basin Swamp		G4?	S3	N	N	A-B
Floodplain Swamp		G?	S4?	N	N	B
Floodplain Swamp		G?	S4?	N	N	B
Scrub		G2	S2	N	N	
Scrub		G2	S2	N	N	B-C
<i>Gopherus polyphemus</i>	Gopher tortoise	G3	S3	C2	LS	C
<i>Persea humilis</i>	Scrub bay	G3	S3	3C	N	
<i>Persea humilis</i>	Scrub bay	G3	S3	3C	N	C
<i>Rhynchospora decurrens</i>	Decurrent beak-rush	G3G4	S2	C2	N	

<u>Scientific Name</u>	<u>Common Name</u>	<u>Global Rank</u>	<u>State Rank</u>	<u>Federal Status</u>	<u>State Status</u>	<u>EO Rank</u>
LITTLE TIGER BAY						
Related Sites: Volusia County PNA #42						
Basin Swamp		G4?	S3	N	N	B
SAW GRASS BAY						
Related Sites: Volusia County PNA #4, 5, 10						
Baygall		G4?	S4?	N	N	A-B
<i>Haliaeetus leucocephalus</i>	Bald eagle	G3	S2S3	LE	LT	
SHAW LAKE						
Related Sites: Volusia County PNA #9						
Baygall		G4?	S4?	N	N	A-B
Baygall		G4?	S4?	N	N	C-D
Depression Marsh		G4?	S3	N	N	C
Sandhill		G2G3	S2	N	N	B/C
Sandhill		G2G3	S2	N	N	C
Sandhill Upland Lake		G3	S2	N	N	B
Scrub		G2	S2	N	N	B-C
Scrub		G2	S2	N	N	B/C
Scrub		G2	S2	N	N	C
<i>Gopherus polyphemus</i>	Gopher tortoise	G3	S3	C2	LS	B-C
<i>Conradina grandiflora</i>	Large-flowered rosemary	G3	S3	C2	LE	B
<i>Ilex opaca var arenicola</i>	Scrub holly	G5T3	S3	3C	CE	C
<i>Ilex opaca var arenicola</i>	Scrub holly	G5T3	S3	3C	CE	C
<i>Persea humilis</i>	Scrub bay	G3	S3	3C	N	C

Appendix II

Site Basic Record (SBR) Explanation Sheet and SBR for Each Site. (Arranged alphabetically by county and then by site name.)

Site Basic Record**SITENAME**

Enter the official full name for the Site. Each Site should be assigned a unique name. Once assigned, the value in the SITENAME field should not change unless absolutely necessary. This will ensure consistency and better communication between Natural Heritage Data Centers, Nature Conservancy Field Offices, and other cooperators.

Unofficial names (including informal names and old names) should be entered in the SITEALIAS field.

SITE.CLASS

Enter the appropriate 2-letter code from the list below to indicate whether the Site in this record is a standard site, a macrosite, or a Megasite. Site class should be determined strictly on the basis of acreage.

SS = standard site	< 3, 200 acres
MC = macrosite	3, 200 - 64, 000 acres
MG = megasite	> 64, 000 acres

SITEALIAS

Enter any unofficial name(s) by which this Site is known. You may include informal names, old names, names used by other offices or cooperating organizations, or the original survey site name (from the SURVEYSITE field in the related ELEMENT OCCURRENCE RECORD).

MCSITECODE

MaCroSITE Code

If you are creating an SBR record for a standard site contained within a macrosite, then enter the appropriate Site code for the macrosite. (Enter one code only. A standard site may be contained by only one macrosite; macrosites should not overlap.) A corresponding macrosite record should exist for the code that you enter.

MCSITENAME

MaCroSITE Name

MCSITENAME is a symbolic field representing the name of the macrosite designated in the MCSITECODE field. The macrosite named in this field contains the standard site named in the SITENAME field.

MGSITECODE

MeGaSITE Code

If you are creating an SBR record for a standard site contained within a megasite, or for a macrosite contained within a megasite, then enter the appropriate Site code for the megasite. Since megasites may overlap, and a standard site or macrosite may be contained by more than one megasite, you should enter an appropriate code for each encompassing megasite. A corresponding megasite record should exist for each code that you enter.

MGSITENAME
MeGaSITE Name

MGSITENAME is a symbolic field representing the name of the megasite(s) designated in the MGSITECODE field. The megasite(s) named in this field contain the Site named in the SITENAME field, as well as any macrosite named in the MCSITENAME field.

SITE.RELATIONS

Enter any comments explaining the relationship between this Site and any nested, overlapping or adjacent Sites.

DEFINING.MANAME
DEFINING Area NAME

92/02/18

DEFINING.MANAME is a symbolic field representing the name of the Managed Area whose boundaries were used to define the Site (ie. the MA Equi-site) in this record. The BCD System will automatically display the appropriate Managed Area name based on information entered in the related MANAGED AREA BASIC RECORD (MABR).

COUNTYCODE

Enter a code for each county where the Site is located. If the Site spans more than one county, list the code for the centrum county first. A corresponding record must exist in the COUNTIES file for each county code that you enter.

COUNTYNAME

COUNTYNAME is a symbolic field representing the names of the counties designated in the COUNTYCODE field. The BCD System will automatically display the appropriate county names based on information available in related records in the COUNTIES file.

QUADNAME
QUADrange NAME

Enter the name(s) of the US Geological Survey topographic quadrangle map(s) on which the Site is located. If the Site spans more than one map, list the map that includes the centrum of the Site first.

QUADCODE
QUADrange CODE

Enter the appropriate code for each USGS 7.5' (or 15') topographic quadrangle map on which the Site is located.

If the Site spans more than one map, enter the code for the map with the centrum of the Site first.

LAT
LATitude
Enter the latitude of the centrum of the Site.

LONG
LONGitude
Enter the longitude of the centrum of the Site.

TOWNRANGE

TOWNship and RANGE

For those Sites that lie within the United States rectangular land survey (an area including 30 states principally west and south of Ohio), enter the legal township and range description that best defines the location of the Site. If the Site spans more than one township, list the township/range description that includes the Site's centrum first.

Township and range descriptions should be codified in the TOWNRANGE field according to the following 8-character structure:

township — / N or S / range — / E or W

Example: 084N024W is the TOWNRANGE for a Site that is centered in township 84 north and range 24 west.

Further details of the rectangular survey description of the Site location (ie. the section, section divisions, and the meridian) should be specified in the SECTION, TRSNOTE, and MERIDIAN fields.

SECTION

For each township/range description given in the preceding TOWNRANGE field, enter the legal section numbers that best describe the location of the Site in that township.

MERIDIAN

For each township and range description given in the TOWNRANGE field, enter a 2-character code from the list below for the legal meridian from which the east and west US rectangular land survey range measurements were made.

TRSNOTE

Township, Range, and Section NOTE

If the Site can be precisely located within a particular section or set of sections, then describe the specific legal section division(s) (eg. the SE1/4 of the NW 1/4) where the Site (or its centrum) may be found.

DIRECTIONS

Enter precise directions to the Site using a readily locatable landmark (eg. a city, a major highway, etc.) as the starting point on a state or county road map.

Use clear complete sentences that will be understandable to someone who is unfamiliar with the area, needs to get to the Site and has only your directions to follow. Cite distances as closely as possible to the 1/10 of a mile, use compass directions (N, S, E, and W), and be sure to specify the best access to the Site, such as where to park or which trail to use.

WATERSHED

Enter the appropriate 8-digit code from the US Geological Survey Hydrologic Unit Map for each watershed where the Site is located.

If the Site spans more than one watershed, list the watershed that includes the Site's centrum first. If you wish to track hydrologic subunits, you may use the expanded 11-digit code(s) instead.

SITEDESC**SITE DESCRIPTION**

Enter a short general visual description (or word picture) of the principal physical and natural features on the Site.

You may include in the description mention of noteworthy flora, fauna and communities and a brief account of the substrate (geologic formations, bedrock), soil types, hydrology (xeric, mesic, hydric, and hydrologic regimes), and general topography (mountains, valleys, relief, etc.).

Comments about the significance of the Site and its features should be entered in the BIODIVCOM and OTHERVALUCOM fields.

KEY.ENVIRO.FACTORS**KEY ENVIRONMENTAL FACTORS**

Enter comments describing the "driving factors" or key environmental variables which are known to exert a major influence on the biota at this Site. Key factors may include such things as seasonal flooding, wind, soil type, etc.

MINELEV**MINIMUM ELEVATION**

Enter the minimum elevation of the area covered by the Site. The minimum elevation should represent the lowest altitude in feet, above or below sea level, at which the Site is found.

Enter the maximum elevation covered by the Site in the next field, MAXELEV.

If the Site is located on flat terrain, then enter the uniform elevation in this field (MINELEV), and leave the MAXELEV field blank.

A symbolic AVGELEV field will be available in the SBR file dictionary representing the Site's calculated average elevation.

MAXELEV**MAXIMUM ELEVATION**

Enter the maximum elevation of the area covered by the Site. The maximum elevation should represent the highest altitude in feet, above or below sea level, at which the Site is found.

If the Site is located on flat terrain, then leave this field blank; enter the uniform elevation in the MINELEV field instead.

A symbolic AVGELEV field will be available in the SBR file dictionary representing the Site's calculated average elevation.

CLIMATEDESC**CLIMATE DESCRIPTION**

Enter any general comments concerning climate and weather patterns, wind patterns, seasonal and annual variations, as well as temperature and precipitation patterns characteristic of the Site.

LANDUSE.HISTORY

Enter comments concerning past land uses on this Site (such as mining, logging, shifting cultivation, etc.).

Do not describe current land uses in this field. You may enter comments concerning current land uses in the LANDUSECOM field.

CULTURAL.FEATURES

Enter comments concerning any historic, cultural, or archaeologic features found on the Site (eg. pictographs, petroglyphs, burial mounds, prehistoric artifacts, etc.)

SITEMAP

Specify whether a Site design map including all or some of the required components has been completed by entering one of the following letters:

- Y = Yes, a Site map including all required components has been completed
- P = a partial map has been completed
- N = No, there is no Site map or no known Site map

MAPDATE

Enter the date (yy-mm-dd) on which a Site map was completed.

DESIGNER

Enter the name of the person (last name first) who designed the Site and determined its boundaries.

BOUNDJUST

BOUNDary JUSTification

Explain the biological rationale used to determine the location of the Site's primary and secondary ecological boundaries. Your explanation should clearly justify why the Site boundaries were drawn where they were rather than simply describe the boundaries or any coincidental property lines.

Include reference to the source of information (eg. field work, maps, etc.) on which boundary decisions were based.

PRISEC.ACRES

PRImary and SECondary ACRES

Enter the estimated total acreage of the Site (ie. enter the total acres of land that fall within the primary and secondary ecological boundaries of the Site).

PRISEC.ACRES in the SBR record should be equal to the sum of PRISEC.ACRES from all the TRACTS records for Tracts associated with this Site.

Do not include trade land acreage in PRISEC.ACRES. A Site is defined by ecological boundaries and includes only ecologically significant areas; trade lands, by definition, have no ecological significance and are never found within a Site's boundaries. Trade lands may still be associated with a Site but only when the legal Tracts of land associated with the Site extend beyond the boundaries of the Site. That portion of a Tract which falls outside of the Site's boundaries may be considered trade land. The trade land acreage for that Tract should be entered in the TL.ACRES field in the TRACT.DETAIL record. The total trade land

acreage associated with the Site (equal to the sum of TL.ACRES from all related TRACT.DETAIL records) should be entered in the TL.ACRES field in the SITE BASIC RECORD.

PRIMARY.ACRES

PRIMary ACRES

Enter the estimated total acreage that occurs within the primary ecological boundaries of the Site.

The sum of PRIMARY.ACRES from all TRACTS records associated with this Site should be equal to the value you enter in PRIMARY.ACRES here.

TL.ACRES

Trade Land ACRES

Enter the estimated total trade land acreage associated with the Site.

Trade lands may be associated with a Site when the legal Tracts of land associated with the Site extend beyond the boundaries of the Site. That portion of each Tract which falls outside of the Site's boundaries may be considered trade land. The trade land acreage for a particular Tract should be entered in the TL.ACRES field in the corresponding TRACTS record. The total trade land acreage associated with the Site (equal to the sum of TL.ACRES from all related TRACTS records) should be entered in the TL.ACRES field here.

You should enter an exact figure if known; otherwise approximate as best you can.

If you know that there are no trade land acres, then enter a zero (0).

If you do not know whether there are any trade land acres, then leave this field blank.

Comments on the Site's trade land acreage should be entered in the SITECOM field.

SITECOM

SITE COMments

Enter general comments regarding the Site.

If the Site in this record is a priority megasite or wetland site, specify the source (a letter, memo or other documentation) and date of the recommendation for prioritizing the Site.

BIODIVSIG

BIODIVersity SIGnificance

Enter the appropriate 2-character code from the list below for the rating which best describes the significance of the Site in terms of its biological diversity.

- B1 - Outstanding significance, such as the only known occurrence of any Element, the best or an excellent (A-ranked) occurrence of a G1 Element, or a concentration (4+) of high-ranked (A- or B-ranked) occurrences of G1 or G2 Elements. Site should be viable and defensible for targeted Elements and ecological processes contained.

Macro/Megasite: Should contain multiple B1 Standard Sites which require additional bufferage in a Bioreserve context. Or should be THE outstanding example of an integrated landscape complex for a major ecoregion or biome and be defensible in its entirety.

- B2 - Very high significance, such as one of the most outstanding occurrences of any community Element (regardless of its Element rank). Also includes areas containing any other (B-, C- or D-ranked) occurrence of a G1 Element, a good (A- or B-ranked) occurrence of a G2 Element, an excellent (A-ranked) occurrence of a G3 Element, or a concentration (4+) of B-ranked G3 or C-ranked G2 Elements.

Macro/Megasite: Should contain multiple B2 Standard Sites which require additional bufferage in a Bioreserve context. Or should be documented as a migratory stopover critical to the existence of one or more species, or should be a second best example of an integrated landscape complex in an ecoregion.

- B3 - High significance, such as any other (C- or D-ranked) occurrence of a G2 Element, a B-ranked occurrence of a G3 Element, an A-ranked occurrence of any community, or a concentration (4+) of A- or B-ranked occurrences of (G4 or G5) S1 Elements.

Macro/Megasite: Should contain multiple B3 Standard Sites which require additional bufferage in a Bioreserve context. Or should be at least an adequate example of a regional landscape type in an under-represented ecoregion.

- B4 - Moderate significance, such as a C-ranked occurrence of a G3 Element, a B-ranked occurrence of any community, an A- or B-ranked or only state (but at least C-ranked) occurrence of a (G4 or G5) S1 Element, an A-ranked occurrence of an S2 Element, or a concentration (4+) of good (B-ranked) S2 or excellent (A-ranked) S3 Elements.

Macro/Megasite: Should contain multiple B4 Standard Sites. Or could be a less adequate example of a regional landscape type, perhaps of a fragmented nature making successful management more difficult.

- B5 - Of general biodiversity interest or open space.

Notes: For purposes of assigning Biodiversity Significance ratings to Sites:

Elements with range ranks spanning two levels (eg. G2G3) should be treated as if they had the higher (eg. G2) of the two ranks;

Elements with range ranks spanning three levels (eg. G3G5) should be treated at the middle rank (eg. G4);

Elements with ranks such as G3? should be treated as if there were no question mark;

Elements with a GU rank should be treated as if it were G4;

Elements with "Q"s attached to their global ranks (ie. questionable taxa) should be treated at the next lower G rank (eg. treat a G3Q as if it were a G4);

Elements with "T"s attached to their global ranks (ie. subspecific taxa) should be treated at the next lower G rank (eg. treat a G4T1 as if it were a G2 (see RSQ Table));

Element Occurrences with range ranks (eg. AB) should be treated as if they were ranked at the lower of the two levels (eg. B);

Element Occurrences that are not yet ranked should be treated as if they were C-ranked.

BIODIVCOM**BIOlogical DIVersity COMments**

Enter comments justifying the Site biological diversity significance rating that was assigned in the BIODIVSIG field.

OTHEVALUES

Enter the appropriate 2-byte code (from the list below) for the rating which best describes the significance of the Site in terms of its aesthetic, recreational, open space, and other ecological values, including its role in maintaining ecosystem health (eg. by providing game and wildlife habitat, aquifer recharge functions, erosion control, etc.).

- V1 - Outstanding values. Such values are generally recognized and a high amount of interest exists in the site's protection.
- V2 - High values.
- V3 - Moderate values.
- V4 - No important other values discernible or known.
- V5 - Other values demonstrably absent or actual counter values exist and/or the Site's other values are incompatible with land conservation.

OTHEVALUCOM**OTHER VALUes COMments**

Enter comments justifying the Site's other-values rating that was assigned in the OTHEVALUES field.

PROTURGENCY**PROTectioN URGENCY**

Enter the appropriate 2-byte code (from the list below) for the rating which best describes the urgency to protect the Site. The urgency for protection action (not to be confused with the urgency for management action) will generally increase with impending threats to the Site until legal, political, or other administrative measures are taken.

- P1 - Immediately threatened by severely destructive forces (within 1 year of rank date); protect now or never!
- P2 - Threat expected within 5 years.
- P3 - Definable threat, but not in next 5 years.
- P4 - No threat known for foreseeable future.
- P5 - Land protection complete (CS = IS for all Tracts within the secondary ecological boundary) or adequate reasons exist not to protect the Site; do not act on this Site!

A protection action should not be confused with a management action. A protection action typically involves raising the current status (CS) of one or more Tracts at a Site. It may also include activities such as educational or public relations campaigns or collaborative planning efforts with public or private entities to minimize adverse impacts to Element Occurrences at a Site. It does not include management actions (ie.

any action requiring stewardship intervention). Urgency for management action should be rated separately in the MGMTURGENCY field.

Threats that may require a protection action include:

- 1) anthropogenic forces that threaten the existence of one or more Element Occurrences at the Site (eg. (a) development that would destroy, degrade, or seriously compromise the long-term viability of an Element Occurrence; and (b) timber, range, recreational, or hydrologic management that is incompatible with an Element Occurrence's existence);
- 2) the inability to undertake a management action in the absence of a protection action (eg. obtaining a management agreement);
- 3) in extraordinary circumstances, a prospective change in ownership or management that will make future protection actions much more difficult.

PROTURGCOM

PROTection URGeNCY COMments

Enter comments justifying the Site protection urgency rating that was assigned in the PROTURGENCY field.

MGMTURGENCY

ManaGeMenT URGeNCY

Enter the appropriate 2-byte code (from the list below) for the rating which best describes the urgency to manage one or more Elements at the Site. The urgency for management action (not to be confused with the urgency for legal protection action) requires stewardship intervention in order to maintain Element Occurrences at the Site.

- M1 - a) New management action required immediately or Element Occurrences could be lost or irretrievably degraded within 1 year.
b) Ongoing annual management action must continue or Element Occurrences could be lost or irretrievably degraded within 1 year.
- M2 - a) New management action will be needed within 5 years to prevent loss of Element Occurrences.
b) Ongoing, recurring management action must continue within 5 years to prevent loss of Element Occurrences.
- M3 - a) New management action will be needed within 5 years to maintain current quality (ie. EORANK) of Element Occurrences.
b) Ongoing, recurrent management action must continue within 5 years to maintain current quality of Element Occurrences.
- M4 - Although not currently threatened, management may be needed in the future to maintain current quality of Element Occurrences.
- M5 - No serious management needs known or anticipated at Site.

A management action should not be confused with a legal protection action. A management action may include biological management (eg. prescribed burning, removal of exotics, mowing, etc.) or people and Site management (eg. building barriers to prevent ORV use, rerouting trails, patrolling for collectors, hunters or trespassers, etc.). Management action does not include legal, political, or administrative measures taken to protect a Site. Urgency for protection action should be rated separately in the PROTURGENCY field.

MGMTURGCOM

ManaGeMenT URGENCY COMments

Enter comments justifying the Site management urgency rating that was assigned in the MGMTURGENCY field.

Do not describe general Site management needs in this field. Only those needs that are urgent or specific to maintaining the Element Occurrences on the Site should be addressed. Routine management needs that apply to the Site as a whole should be described in the MGMTNEEDS field instead.

CONSINTENT

CONSeRvation INTENTions

Summarize the general conservation intentions for the Site. Describe the protection strategy and indicate the intended statuses (IS) of the component Tracts.

General comments on the current statuses (CS) of component Tracts should be entered in the SBR record's PROTCOM field.

NUMTRACTS

NUMber of TRACTS

Enter the estimated number of legal Tracts that make up the Site. If the number of Tracts is not known or can not be estimated, then leave this field blank.

A TRACTS record should be completed for each Tract in the Site.

ESTPROTCOST

ESTimated PROTection COST

Enter the estimated cost to The Nature Conservancy to protect the Site. Include preserve design, acquisition, and stewardship costs.

DESIG.CODE

DESIGNation CODE

Enter an appropriate code for the special government or Nature Conservancy designation given to the Site. A corresponding record must exist in the DESIGNATIONS file for the designation code that you enter.

Examples:	<u>DESIG.CODE</u>	<u>DESIGNATION</u>
	NNL	National Natural Landmark
	RNA	Research Natural Area
	PWL	Priority Wetlands Site
	PMGS	Priority Megasite
	MAB-BR	Man and the Biosphere - Biosphere Reserve

DESIGNATION

DESIGNATION is a symbolic field representing the full name of the special government or Nature Conservancy designation referenced in the DESIG.CODE field. The BCD System will automatically display the appropriate designation based on information available in the related DESIGNATIONS record.

PROTCOM**PROTection COMments**

Summarize the general level of protection currently afforded the Site indicating the current protection statuses (CS) of the component Tracts.

Comments on the general conservation intentions for the Site and the intended statuses (IS) of component Tracts should be entered in the **CONSINTENT** field.

LANDUSECOM**LAND USE COMments**

Describe current and past land use, improvements and structures. Describe how the land has been used and is currently used and discuss the stewardship implications of this use. Also describe stewardship implications including hydrological alterations, etc.

Uses to consider: recreation, dumping, agriculture, mining, ROWs, etc. Discuss the possibility of hazardous or toxic waste disposal on Site including reasons as to why it may or may not be a problem.

NATHAZCOM**NATural HAZard COMments**

Describe potential natural hazards (eg. cliffs, caves, waterfalls, etc.) on the Site and indicate any precautions stewardship should take.

EXOTICCOM**EXOTICs COMments**

Describe potentially damaging exotic (ie. alien) flora and fauna (eg. kudzu, honeysuckle, purple loosestrife, periwinkle, English ivy, feral goats, pigs, etc.) on the Site. Indicate their location and abundance, as well as their effect on the viability of endangered Elements. Indicate also how stewardship will manage or control the exotic species and whether local ordinances require such control.

OFFSITE

Describe off-site land uses (eg. farming, logging, grazing, dumping, watershed diversion, etc.) and how those uses might affect the Site, Elements on the Site, and management of the Site.

INFONEEDS**INFOrmation NEEDS**

Summarize the information that is still needed in order to effectively manage the Site and Elements on it. Include such items as the need for Element Stewardship Abstracts, research on management techniques, a more detailed land use history, or baseline monitoring.

MGMTNEEDS**ManaGeMenT NEEDS**

Summarize the expected management needs for the Site and the Elements on it. Include routine items such as the need for fencing, restricting use, grazing, control of exotics, burning, etc.

Any urgent items (where immediate specific management actions are essential for the preservation of specific Element Occurrences on the Site) should be listed separately in the **MGMTURGCOM** field.

Comments concerning a Managed Area currently overlying the Site (or a Managed Area that will be established to protect the Site) should be entered in the SBR record's MACOM field.

MACOM

Managed Area COMments

Explain the Site/Managed Area relationship if a Managed Area has been or will be established to protect the Site (eg. "Site is wholly contained in the Brigantine NWR").

Summarize the specific management needs for the Site (such as fencing, grazing, burning, etc.) in the SBR record's MGMTNEEDS field.

IMAGERY.COM

IMAGERY COMments

Enter any comments explaining the kinds of imagery that are available for this Site.

Site Basic Record
BIMINI SOUTH SWAMPIdentifiers:

ID: COUNTER:
SITECODE: S.USFLHP * 6142
SITENAME: BIMINI SOUTH SWAMP

SITE.CLASS: SS OLD CODE:

SITEALIAS: FLAGLER COUNTY PNA #8

MCSITECODE: MCSITENAME:

MGSITECODE: MGSITENAME:

SITE.RELATIONS:

DEFINING.MANAME:

FLORIDA NATURAL AREAS INVENTORY

07 FEB 1991

Locators:

NATION: US STATE: FL SITERESP:
 COUNTYCODE: COUNTYNAME LOCALJURIS:
 FLFLAG Flagler

QUADNAME: QUADCODE:
BUNNELL 2908143
ST. JOHNS PARK 2908144

 LAT: 292714N S: N E: W
 LONG: 0812155W N: N W: W

TOWNRANGE: SECTION: MERIDIAN:
012S029E 14-16,21-22 TA

TRSNOTE:

DIRECTIONS: From US 1 in Bunnell, go W on SR 100 ca. 3 miles. Continue W
on CR 302 and go 2.2 miles. EO is on S side of road.

WATERSHED:

Site Description:

SITEDESC: Basin swamp ca. 2000+' wide and 9000' long. High diversity
in 100% canopy cover of trees up to 18-24" DBH and 40-50'
tall. Dominant species were Nyssa biflora , Acer rubrum,
Magnolia virginiana, Fraxinus sp., Taxodium ascendens,
Quercus laurifolia, Ulmus americana, Pinus elliottii and
Sabal palmetto. The swamp west of CR 305 was in good
condition but divided into small compartments by canals and
high roadbeds. Canals also crossed under the county roads.

KEY.ENVIRO.FACTORS:

Basin subject to seasonal flooding.

MINELEV: 20 MAXELEV:

CLIMATEDESC:

LANDUSE.HISTORY: Historic timber cutting in swamp.

CULTURAL.FEATURES:

Site Design:

SITEMAP: P MAPDATE: 94-11-23
DESIGNER: Schultz, G.E.
BOUNDJUST: Primary and secondary ecological boundaries based on aerial
photo interpretation and limited ground truthing of natural
communities.

PRISEC.ACRES: PRIMARY.ACRES: TL.ACRES: 935.00
SITECOM:

Site Significance:

OLDRATING:
RATINGCOM:

BIODIVSIG: B4
ODIVCOM: Basin was of significant size and had numerous large trees.

OTHEVALUES: V2
OTHEVALUCOM: Ecological value high as aquifer recharge area and wildlife habitat.

PROTURGENCY: P3
PROTURGCOM: Most of uplands surrounding swamp have already been converted to large agricultural fields. Cypress timber in basin approaching adequate size for logging.

MGMTURGENCY: M4
MGMTURGCOM: Prevent logging operations from entering wetland system.

Real Estate and Protection:

CONSISTENT:

NUMTRACTS: ESTPROTCOST:
DESIG.CODE: DESIGNATION:

PROTCOM:

Stewardship:

LANDUSECOM: SW end of swamp divided by grassy roads on high dikes in sparsely settled Daytona North Subdivision. Swamp had numerous old stumps but appeared undisturbed in recent years.

NATHAZCOM:

EXOTICCOM: Feral hog rooting had disturbed the ground in many areas of the swamp.

OFFSITE: Surrounding large agricultural fields were drained by ditches into the swamp. Chemical runoff from these fields could affect site vitality.

INFONEEDS: Need to study effects of drainage on site hydrology.

MGMTNEEDS: Drainage needs to be regulated to prevent degradation of site. Feral hog population will need to be controlled.

MACOM:

Element Occurrence Information:

ELCODE: SNAME:
CPK0000000 BASIN SWAMP

SCOMNAME:

GRANK: SRANK:
G4? S3

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

References:

SOURCECODE: CITATION:

PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

IMAGERY.COM: FDOT B&W 93-2-18: PD4116-5-14.

Record Maintenance:

LEADRESP:

EDITION: 94-11-28. EDAUTHOR: Schultz, G.E.

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-02-01	49
USFLHP	VVG	95-01-31	34/58/59/74/99
USFLHP	VVG	95-01-31	4/12/13/40/43/73
USFLHP	VVG	94-12-16	COPY

MANUAL.FILE.NOTE:

Optional Fields:

CONTRACT:

CSISCODE:

DIG.METHOD: ARC/INFO

DIG.COM: SCHULTZ, G. (PNDSCH03). SOURCE SCALE: 1:24000. FIELD QUADS.

DIG.DATES: 95-01-20 RDR

PRIORITY:

THREAT:

QUAD:

2908143

2908144

MARGNUM:

22

26

SBR.OPT10:

D

D

Site Basic Record
BLACK BRANCHIdentifiers:

ID: COUNTER:
SITECODE: S.USFLHP * 6146
SITENAME: BLACK BRANCH

SITE.CLASS: SS OLDCODE:

SITEALIAS: FLAGLER COUNTY PNA #14 AND 15

 MCSITECODE: MCSITENAME:

 MGSITECODE: MGSITENAME:

SITE.RELATIONS:

DEFINING.MANAME:

Locators:

NATION: US STATE: FL SITERESP:
 COUNTYCODE: COUNTYNAME LOCALJURIS:
 FLFLAG Flagler

ADNAME: QUADCODE:
BUNNELL 2908143
FLAGLER BEACH WEST 2908142

 LAT: 292629N S: N E: W
 LONG: 0811801W N: N W: W

TOWNRANGE: SECTION:

012S029E 24-26,34-36
013S029E 1-2
012S030E 11-14,16-34
013S030E 4-5
012S031E 18-19

MERIDIAN:

TA
TA
TA
TA
TA

TRSNOTE:

DIRECTIONS: For Section 18, go W on SR 100 ca. 2.5 miles from US 1 in Bunnell; site is on S side of road. For Section 21, go SW on SR 11 ca. 1.5 miles from US 1 in Bunnell; site is on both sides of road. For Section 32, continue SW on SR 11 ca. 2.5 miles; site is on both sides of road.

WATERSHED:

Site Description:

SITEDESC: This widespread site forms part of the Haw Creek headwaters. The floodplain swamp corridors along the creeks were narrow, low quality connections between the wider, medium to high quality areas in Black Point Swamp, Sweetwater Swamp, and Black Branch Swamp. Numerous stumps from past logging were

observed. Cattle grazing disturbed the groundcover in some areas. Pine plantations dominated surrounding uplands. Dominant swamp species were *Taxodium ascendens*, *ssa biflora*, *Acer rubrum*, *Liquidambar styraciflua*, *Ulmus americana*, *Quercus laurifolia*, *Sabal palmetto*, *Myrica cerifera*, *Saururus cernuus*, *Woodwardia virginica*, *W. areolata*, *Cladium jamaicense*, *Panicum gymnocarpon*, *Rhynchospora miliacea*, and *Toxicodendron radicans*. Several *Cladium jamaicense* dominated basin marshes covering 10 acres or less were located near SR 11. These appeared to be in good condition but were in the middle of planted pines with grazing cattle.

KEY. ENVIRO. FACTORS:

Basin subject to seasonal flooding.

MINELEV: 5 MAXELEV: 21

CLIMATEDESC:

LANDUSE.HISTORY: Historic timber cutting in swamp and in flatwoods.

CULTURAL.FEATURES:

Site Design:

SITEMAP: P MAPDATE: 94-11-23
DESIGNER: Schultz, G.E.
BOUNDJUST: Primary and secondary ecological boundaries based on aerial photo interpretation and limited ground truthing of natural communities.

PRISEC.ACRES: PRIMARY.ACRES: TL.ACRES: 13,08
SITECOM: Boundaries of this site are somewhat similar to SBR*514 - Tiger Bay.

Site Significance:

OLDRATING:

RATINGCOM:

BIODIVSIG: B4
BIODIVCOM: Larger areas of basin swamp were of significant size and had numerous large trees of many species.

OTHEVALUES: V3
OTHEVALUCOM: Ecological value high as aquifer recharge area and wildlife habitat and corridor.

PROTURGENCY: P2
PROTURGCOM: Active logging occurring in the upland areas surrounding swamps. Cypress timber in basin of adequate size for logging.

MGMTURGENCY: M4
MGMTURGCOM: Prevent logging operations from entering wetland systems.

Real Estate and Protection:

CONSISTENT:

CONTRACTS:

ESTPROTCOST:

DESIG.CODE: DESIGNATION:

PROTCOM:

Stewardship:

LANDUSECOM: Swamps had numerous old stumps but appeared undisturbed in recent years. Pine plantations dominated uplands. Cattle grazing disturbed groundcover in some areas. High voltage power transmission line crosses through site.

NATHAZCOM:

EXOTICCOM: None observed.

OFFSITE: Pine plantations dominated surrounding areas. A residential subdivision (part of Palm Coast development) surrounds the swamp E of US 1. City of Bunnell just N of site.

INFONEEDS: Need to study effects of drainage on site hydrology.

MGMTNEEDS: Drainage needs to be regulated to prevent degradation of site.

MACOM:

Element Occurrence Information:

ELCODE:	SNAME:	SCOMNAME:	GRANK:	SRANK:
PDAST4N0A0	HELIANTHUS CARNOSUS	LAKE-SIDE SUNFLOWER	G1G2	S1S2
CPL0000000	BASIN MARSH		G?	S4?
CPK0000000	BASIN SWAMP		G4?	S3
CPC0000000	FLOODPLAIN SWAMP		G?	S4?
CPC0000000	FLOODPLAIN SWAMP		G?	S4?

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

References:

SOURCECODE: CITATION:

PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

IMAGERY.COM: FDOT B&W 93-2-18: PD4116-5-13, 6-13, 7-09 to 7-13, 7A-03, 8-11 to 8-13, 9-13 to 9-15.

Record Maintenance:

LEADRESP:

FUNCTION: 94-11-28. EDAUTHOR: Schultz, G.E.

Maintenance History:

OFFICE: INITIALS: CHANGE.DATE: CHANGE.FIELDS:

FLORIDA NATURAL AREAS INVENTORY

07 FEB 1995

USFLHP	VVG	95-02-01	49/59
USFLHP	VVG	95-01-31	4/12/13/26/34/40/43/58/59/
USFLHP	VVG	94-12-16	COPY

MANUAL.FILE.NOTE:

Optional Fields:

CONTRACT:

CSISCODE:

DIG.METHOD: ARC/INFO

DIG.COM: SCHULTZ, G. (PNDSCH03). SOURCE SCALE: 1:24000. FIELD QUADS.

DIG.DATES: 95-01-26 RDR

PRIORITY:

THREAT:

QUAD:

2908143

2908142

MARGNUM:

17

32

SBR.OPT10:

D

D

Site Basic Record
DINNER ISLAND BIG CYPRESS SWAMPIdentifiers:

ID: COUNTER:
SITECODE: S.USFLHP * 6141
SITENAME: DINNER ISLAND BIG CYPRESS SWAMP

SITE.CLASS: MC OLD CODE:

SITEALIAS: FLAGLER COUNTY PNA #3 AND 4
PETERSON TRACT

MCSITECODE: MCSITENAME:

MGSITECODE: MGSITENAME:

SITE.RELATIONS:

DEFINING.MANAME:

Locators:

NATION: US STATE: FL SITERESP:
COUNTYCODE: COUNTYNAME LOCALJURIS:
FLFLAG Flagler
FLSTJO St Johns

QUADNAME:	QUADCODE:
DINNER ISLAND	2908154
ST. JOHNS PARK	2908144
SPUDS	2908164
BUNNELL	2908143
ESPANOLA	2908153
DINNER ISLAND NE	2908163

LAT: 293035N S: N E: W
LONG: 0812316W N: N W: W

TOWNRANGE: SECTION:

011S029E 4-9,16-21,27-34
010S029E 8-10,15-22,27-34
012S029E 3-4

MERIDIAN:

TA
TA
TA

TRSNOTE:

DIRECTIONS: From US 1 in Bunnell, go W on SR 100 ca. 10 miles to CR 2005. Continue W ca. 0.25 miles (crossing the bridge over White Oak Branch) and turn N on gated dirt road. Proceed N ca. 2 miles to four-way intersection. Turn E and go SE ca. 0.6 mile. Turn E and go 0.1 mile to where the road is blocked by a dirt pile and ditch. Park here and walk NE ca. 1 mile to the end of the logging road. Basin swamp is ca. 0.1 mile to the E beyond the cutover area.

WATERSHED:

Site Description:

SITEDESC: Large basin swamp ca. 10 mi N-S and 1 mi E-W; covering more than 6 square miles. Swamp with high diversity in 100% canopy cover. Dominant species included Nyssa biflora, Taxodium ascendens, Acer rubrum, Magnolia virginiana, Quercus laurifolia, Liquidambar styraciflua, and Pinus elliotii. Old Taxodium stumps were occasionally seen 24+" in diameter. Muck soil saturated and flooded in some locations. Some of the drier areas around the swamp edges were logged for pine timber in 1991; a few pine seed trees were left. Surrounding land use was mainly planted pine (cleared agricultural fields were to the S).

KEY.ENVIRO.FACTORS:

Basin subject to seasonal flooding.

MINELEV: 20

MAXELEV:

CLIMATEDESC:

LANDUSE.HISTORY: Historic timber cutting in swamp; recent logging of pines evident on edges of swamp.

CULTURAL.FEATURES:

Site Design:

SITEMAP: P MAPDATE: 94-11-21

DESIGNER: Schultz, G.E.

BOUNDJUST: Primary and secondary ecological boundaries based on aerial photo interpretation and limited ground truthing of natural communities.

PRISEC.ACRES:

PRIMARY.ACRES:

TL.ACRES: 16,465.00

SITECOM:

Site Significance:

OLDRATING:

RATINGCOM:

BIODIVSIG: B3

BIODIVCOM: Basin was of significant size and had numerous large trees.

OTHERVALUES: V2

OTHERVALUCOM: Ecological value high as aquifer recharge area and wildlife habitat.

PROTURGENCY: P2

PROTURGCOM: Most of uplands surrounding swamp have already been converted to pine plantations. Cypress timber in basin of adequate size for logging.

MGMTURGENCY: M4

MGMTURGCOM: Prevent logging operations from entering wetland system.

Real Estate and Protection:

CONSINTENT:

CONTRACTS:

ESTPROTCOST:

DESIG.CODE: DESIGNATION:

PROTCOM:

Stewardship:

LANDUSECOM: Most of surrounding uplands were pine plantations of variable age. Wetlands had scattered old stumps but appeared undisturbed in recent years. Part of site open to hunting of game animals.

NATHAZCOM:

EXOTICCOM: None observed.

OFFSITE: Pine plantations dominate surrounding area.

INFONEEDS: Need to study effects of drainage on site hydrology. Large canal bordering W side of site drains to S.

MGMTNEEDS: Uplands need to be restored to a more natural condition by regular burning and selective thinning of planted pines. Drainage needs to be regulated to prevent degradation of site.

MACOM:

Element Occurrence Information:

ELCODE:	SNAME:	SCOMNAME:	GRANK:	SRANK:
CPK0000000	BASIN SWAMP		G4?	S3
CPK0000000	BASIN SWAMP		G4?	S3

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

References:

SOURCECODE: CITATION:
PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

IMAGERY.COM: FDOT B&W 93-2-18 and 93-2-19: PD4116-4-16 to 4-26, and 5- 16 to 5-24.

Record Maintenance:

LEADRESP:

EDITION: 94-11-28. EDAUTHOR: Schultz, G.E.

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-02-01	49
USFLHP	VVG	95-01-31	4/9/12/13/34/40/43/58/59/6

FLORIDA NATURAL AREAS INVENTORY

07 FEB 1995

USFLHP VVG 94-12-16 COPY

MANUAL.FILE.NOTE:

Optional Fields:

CONTRACT:

CSISCODE:

DIG.METHOD: ARC/INFO

DIG.COM: SCHULTZ, G. (PNDSCH03). SOURCE SCALE: 1:24000. FIELD QUADS.

DIG.DATES: 95-01-23 RDR

PRIORITY:

THREAT:

QUAD:

2908154
2908144
2908164
2908143
2908153
2908163

MARGNUM:

7
28
14
23
21
23

SBR.OPT10:

D
D
D
D
D
D

Site Basic Record
EAGLE ROCK RANCHIdentifiers:

ID: COUNTER:
SITECODE: S.USFLHP * 6150
SITENAME: EAGLE ROCK RANCH

SITE.CLASS: SS OLDPCODE:

SITEALIAS: FLAGLER COUNTY PNA #22

MCSITECODE: MCSITENAME:

MGSITECODE: MGSITENAME:

SITE.RELATIONS:

DEFINING.MANAME:

Locators:

NATION: US STATE: FL SITERESP:
COUNTYCODE: COUNTYNAME LOCALJURIS:
FLFLAG Flagler

DNAME: QUADCODE:
FLAGLER BEACH WEST 2908142
FAVORETTA 2908132

LAT: 292245N S: N E: W
LONG: 0811010W N: N W: W
TOWNRANGE: SECTION:
013S031E 3-5,8-10,15-16,21-22

MERIDIAN:
TA

TRSNOTE:

DIRECTIONS: From SR 100 in Bunnell, go S on US 1 ca. 5 miles to Korona.
Turn E on Old Dixie Highway and go 1.8 miles to power
transmission line. Turn S on gated limerock road; site is on
the W side of this road.

WATERSHED:

Site Description:

SITEDESC: A three square mile area dominated by mesic flatwoods in
fair condition. Small dome swamps and mesic hammocks were
scattered throughout the site. Most of flatwoods overgrown
with *Serenoa repens* and had little open ground for
herbaceous species. The flatwoods canopy was abundant *Pinus*
elliottii of various ages- up to 15" DBH and 50' tall. Some
pines had old trunk scars from turpentine collecting.
Several canals drained the site. Residential development on
N, E and S sides. New golf course to the E. Bounded by US 1
on the W.

KEY. ENVIRO. FACTORS:

MINELEV: 25 MAXELEV: 30

CLIMATEDESC:

LANDUSE.HISTORY: A few grassy jeep trails cross the site. No signs of significant disturbance. No pine stumps or livestock were observed.

CULTURAL.FEATURES:

Site Design:

SITEMAP: P MAPDATE: 94-11-23

DESIGNER: Schultz, G.E.

BOUNDJUST: Primary and secondary ecological boundaries based on aerial photo interpretation and limited ground truthing of natural communities.

PRISEC.ACRES: PRIMARY.ACRES: TL.ACRES: 2,427.00
SITECOM: Boundaries of this site are somewhat similar to SBR*514 - Tiger Bay.

Site Significance:

OLDRATING:

RATINGCOM:

BIODIVSIG: B5

BIODIVCOM: Flatwoods appeared to be in unlogged condition but need to be burned.

OTHERVALUES: V3

OTHERVALUCOM: Open space in area undergoing rapid residential development.

PROTURGENCY: P3

PROTURGCOM: Rapidly developing residential subdivision to the E of the site. W side of site fronts on US 1. The high and dry land of the site has high development potential.

MGMTURGENCY: M4

MGMTURGCOM: Prescribed burning needed to increase herbaceous diversity of flatwoods.

Real Estate and Protection:

CONSINTENT:

NUMTRACTS: ESTPROTCOST:

DESIG.CODE: DESIGNATION:

PROTCOM:

Stewardship:

LANDUSECOM: No apparent current land use. Fences of barbed wire were on perimeter of site.

NATHAZCOM:

EXOTICCOM: None observed.

OFFSITE: Residential development on N, E and S sides. New golf course and subdivision to the E. Bounded by US 1 on the W. I-95 and interchange less than 1 mile to the E. High voltage power transmission line on E site boundary. The proximity of the subdivisions and highways could make prescribed burning difficult.

INFONEEDS: Thorough field survey for rare species like Helianthus carnosus.

MGMTNEEDS: Enhancement of flatwoods by initiating a regular prescribed burning regime.

MACOM:

Element Occurrence Information:

ELCODE: SNAME:
CTE0000000 MESIC FLATWOODS

SCOMNAME:

GRANK: SRANK:
G? S4

Additional Topics:

TL.TOPICS:

TOPIC.KEYWORDS:

References:

SOURCECODE: CITATION:
PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

IMAGERY.COM: FDOT B&W 93-2-18: PD4116-11-09 and 11-10.

Record Maintenance:

LEADRESP:
EDITION: 94-11-28. EDAUTHOR: Schultz, G.E.

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-31	4/12/13/26/34/35/40/43/58/
USFLHP	VVG	94-12-16	COPY

MANUAL.FILE.NOTE:

Optional Fields:

CONTRACT:

CSISCODE:

1 .METHOD: ARC/INFO

DIG.COM: SCHULTZ, G. (PNDSCH03). SOURCE SCALE: 1:24000. FIELD QUADS.

FLORIDA NATURAL AREAS INVENTORY

07 FEB 1995

DIG.DATES: 95-01-23 RDR

PRIORITY:

THREAT:

QUAD:

2908142

2908132

MARGNUM:

30

4

SBR.OPT10:

D

D

Site Basic Record
ESPANOLA CEMETERYIdentifiers:

ID: COUNTER:
SITECODE: S.USFLHP * 6144
SITENAME: ESPANOLA CEMETERY

SITE.CLASS: SS OLDCODE:

SITEALIAS: FLAGLER COUNTY PNA #11

MCSITECODE: MCSITENAME:

MGSITECODE: MGSITENAME:

SITE.RELATIONS:

DEFINING.MANAME:

Locators:

NATION: US STATE: FL SITERESP:
COUNTYCODE: COUNTYNAME LOCALJURIS:
FLFLAG Flagler

DNAME: QUADCODE:
BUNNELL 2908143
ESPANOLA 2908153

LAT: 292929N S: N E: W
LONG: 0811918W N: N W: W

TOWNRANGE: SECTION:

011S029E 35-36
011S030E 31
012S029E 1-2, 11-12
012S030E 5-7

MERIDIAN:

TA
TA
TA
TA

TRSNOTE:

DIRECTIONS: From US 1 in Bunnell, go W on SR 100 ca. 5 miles to bridge
right before SR 205. EO is N of road.

WATERSHED:

Site Description:

SITEDESC: A large baygall covered ca. 0.5 sq. mi in the center of the
site and was bounded on the W by a long narrow basin swamp.
The remainder of the site was mainly wet flatwoods and pine
plantations. The baygall had a dense canopy dominated by
Gordonia lasianthus, Magnolia virginiana, and Nyssa biflora.
The basin swamp was dominated Taxodium ascendens, Acer
rubrum, and Nyssa biflora. A small creek ran S towards SR
100. Pine plantations and cleared agricultural fields
dominate the surrounding areas. Active logging was noted on

1994-07-15.

KEY.ENVIRO.FACTORS:

Basin subject to seasonal flooding.

MINELEV: 25 MAXELEV:

CLIMATEDESC:

LANDUSE.HISTORY: Historic timber cutting in swamp.

CULTURAL.FEATURES:

Site Design:

SITEMAP: P MAPDATE: 94-11-23

DESIGNER: Schultz, G.E.

BOUNDJUST: Primary and secondary ecological boundaries based on aerial photo interpretation and limited ground truthing of natural communities.

PRISEC.ACRES: PRIMARY.ACRES: TL.ACRES: 3,069.00

SITECOM: Boundaries of this site somewhat similar to SBR*514 - Tiger Bay.

Site Significance:

OLDRATING:

RATINGCOM:

BIODIVSIG: B4

BIODIVCOM: Basin was of significant size and the baygall was in good condition.

OTHERVALUES: V3

OTHERVALUCOM: Ecological value moderate as aquifer recharge area and wildlife habitat.

PROTURGENCY: P3

PROTURGCOM: Most of uplands surrounding swamp have already been converted to large agricultural fields or pine plantations. Cypress timber in basin approaching adequate size for logging.

MGMTURGENCY: M4

MGMTURGCOM: Prevent logging operations from entering wetland system.

Real Estate and Protection:

CONSINTENT:

NUMTRACTS: ESTPROTCOST:

DESIG.CODE: DESIGNATION:

PROTCOM:

Stewardship:

LANDUSECOM: Swamp had some old stumps but appeared undisturbed in recent years. Active logging of pines was taking place in the flatwoods.

NATHAZCOM:

EXOTICCOM: None observed.

OFFSITE: Large agricultural fields to the W were drained by ditches into the swamp. Chemical runoff from these fields could affect site vitality.

INFONEEDS: Need to study effects of drainage on site hydrology.

MGMTNEEDS: Drainage needs to be regulated to prevent degradation of site. Flatwoods need to be restored by prescribed burning and thinning of planted pines.

MACOM:

Element Occurrence Information:

ELCODE:	SNAME:	SCOMNAME:	GRANK:	SRANK:
PDAST4N0AO	HELIANTHUS CARNOSUS	LAKE-SIDE SUNFLOWER	G1G2	S1S2
CPK0000000	BASIN SWAMP		G4?	S3
CPS0000000	BAYGALL		G4?	S4?

Additional Topics:

TL.TOPICS:

TOPIC.KEYWORDS:

References:

SOURCECODE: CITATION:
PND SCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

IMAGERY.COM: FDOT B&W 93-2-18: PD4116-6-18 and 7A-05.

Record Maintenance:

LEADRESP:

EDITION: 94-11-28. EDAUTHOR: Schultz, G.E.

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-02-01	49
USFLHP	VVG	95-01-31	4/12/13/26/34/40/43/58/59/
USFLHP	VVG	94-12-16	COPY

MANUAL.FILE.NOTE:

Optional Fields:

CONTRACT:

CATSCODE:

DIG.METHOD: ARC/INFO

FLORIDA NATURAL AREAS INVENTORY

07 FEB 1995

DIG.COM: SCHULTZ, G. (PNDSCH03). SOURCE SCALE: 1:24000. FIELD QUADS.

DIG.DATES: 95-01-23 RDR

PRIORITY:

THREAT:

QUAD:
2908143
2908153

MARGNUM:
20
20

SBR.OPT10:
D
D

Site Basic Record
ESPANOLA EAST SWAMPIdentifiers:

ID: COUNTER:
SITECODE: S.USFLHP * 6152
SITENAME: ESPANOLA EAST SWAMP

SITE.CLASS: SS OLDPCODE:

SITEALIAS: FLAGLER COUNTY PNA #27

MCSITECODE: MCSITENAME:

MGSITECODE: MGSITENAME:

SITE.RELATIONS:

DEFINING.MANAME:

Locators:

NATION: US STATE: FL SITERESP:
COUNTYCODE: COUNTYNAME LOCALJURIS:
FLFLAG Flagler

DNAME: QUADCODE:
BUNNELL 2908143
ESPANOLA 2908153

LAT: 292955N S: N E: W
LONG: 0811658W N: N W: W

TOWNRANGE: SECTION: MERIDIAN:
012S030E 4 TA
011S030E 33-32 TA

TRSNOTE:

DIRECTIONS: From US 1 in Bunnell, go NW on SR 13 ca. 0.8 miles. Turn NE and go 0.5 mile on the limerock road passing the Flagler County Agricultural Extension Office. Turn N and go 0.1 mile on a dirt road next to an abandoned sawmill. Park here and walk ca. 0.2 mile NW along an old overgrown logging road to the site. For the S end of the site, go NW on SR 13 ca. 1.2 miles (pass the limerock road to the Flagler County Agricultural Extension Office) from US 1 in Bunnell. Park on the N side of the road and walk N into the site.

WATERSHED:

Site Description:

SPDEDESC: Two basin swamps covering ca. 120 and 90 acres with diverse species composition in dense canopy. They were separated by ca. 0.4 mi and connected by a very narrow strand. Dominant species were Taxodium ascendens, Nyssa biflora, Acer rubrum,

Magnolia virginiana, Fraxinus profunda, Ilex cassine, Lyonia lucida, Myrica cerifera, Sarurus cernuus, Blechnum serrulatum, and Osmunda regalis. Drier ground surrounding swamp planted with pines.

KEY. ENVIRO. FACTORS:

Basin subject to seasonal flooding.

MINELEV: 25

MAXELEV: 30

CLIMATEDESC:

LANDUSE.HISTORY: Historic timber cutting in swamp.

CULTURAL.FEATURES:

Site Design:

SITEMAP: P MAPDATE: 94-11-23

DESIGNER: Schultz, G.E.

BOUNDJUST: Primary and secondary ecological boundaries based on aerial photo interpretation and limited ground truthing of natural communities.

PRISEC.ACRES:

PRIMARY.ACRES:

TL.ACRES: 894.00

SITECOM:

Site Significance:

OLDRATING:

RATINGCOM:

BIODIVSIG: B4

BIODIVCOM: Basin swamp was of good condition and had a large diversity of tree species.

OTHERVALUES: V3

OTHERVALUCOM: Ecological value moderate as aquifer recharge area and wildlife habitat.

PROTURGENCY: P3

PROTURGCOM: Most of uplands surrounding swamp have already been converted to pine plantations. Timber in basin approaching adequate size for logging.

MGMTURGENCY: M4

MGMTURGCOM: Prevent logging operations from entering wetland system.

Real Estate and Protection:

CONSINTENT:

NUMTRACTS:

ESTPROTCOST:

DESIG.CODE: DESIGNATION:

PROTCOM:

Stewardship:

NDUSECOM: Swamp had numerous old stumps but appeared undisturbed in recent years. An old road and borrow pond cut through swamp in SE4 of Sec. 33. Most of uplands surrounding swamps have been converted to pine plantations.

NATHAZCOM:

EXOTICCOM: None observed.

OFFSITE: Cypress sawmill and Flagler County recreational park on SE edge. High voltage power transmission line bordered the NE side of the site. Railroad track and grade to E separate site from Pringle Swamp (FLAG16). Surrounding lands dominated by pine plantations.

INFONEEDS:

MGMTNEEDS:

MACOM:

Element Occurrence Information:

ELCODE: SNAME:
CPK0000000 BASIN SWAMP

SCOMNAME:

GRANK: SRANK:
G4? S3

Additional Topics:

TL.TOPICS:

TOPIC.KEYWORDS:

References:

SOURCECODE: CITATION:

PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

IMAGERY.COM: FDOT B&W 93-2-18: PD4116-8-15 to 16.

Record Maintenance:

LEADRESP:

EDITION: 94-11-28. EDAUTHOR: Schultz, G.E.

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-31	4/12/13/34/35/40/43/49/58/
USFLHP	VVG	94-12-16	COPY

MANUAL.FILE.NOTE:

Optional Fields:

CONTRACT:

CSISCODE:

1 .METHOD: ARC/INFO

DIG.COM: SCHULTZ, G. (PNDSCH03). SOURCE SCALE: 1:24000. FIELD QUADS.

FLORIDA NATURAL AREAS INVENTORY

07 FEB 1995

DIG.DATES: 95-01-23 RDR

PRIORITY:

THREAT:

QUAD:

2908143

2908153

MARGNUM:

16

16

SBR.OPT10:

D

D

Site Basic Record
GORE LAKEIdentifiers:

ID: COUNTER:
SITECODE: S.USFLHP * 6149
SITENAME: GORE LAKE

SITE.CLASS: SS OLDCODE:

SITEALIAS: FLAGLER COUNTY PNA #20

MCSITECODE: MCSITENAME:

MGSITECODE: MGSITENAME:

SITE.RELATIONS:

DEFINING.MANAME:

Locators:

NATION: US STATE: FL SITERESP:
COUNTYCODE: COUNTYNAME LOCALJURIS:
FLFLAG Flagler

DNAME: QUADCODE:
FLAGLER BEACH WEST 2908142

LAT: 292740N S: N E: W
LONG: 0811206W N: N W: W

TOWNRANGE: SECTION: MERIDIAN:
012S031E 7,16-18 TA

TRSNOTE:

DIRECTIONS: From US 1 in Bunnell, go E on SR 100 ca. 2.5 miles to Belle
Terre Blvd. Turn S and go ca. 1.1 miles. Site is E of road.

WATERSHED:

Site Description:

SITEDESC: Flagler County Airport was in center of site, basin marsh
and lake to W, and fair quality flatwoods to E. Very small
scrub remnants were along the W edge of the airport. Gore
Lake (marsh lake) was in good condition with open water
covering ca. 85 acres. Lake water was clear but tannic. The
shoreline was undisturbed except for two sandy boat launch
areas: one on the W side which was open to the public and
one on the E side of limited access through the airport. No
vegetation was observed more than 20' from shore. Dense
woody vegetation along the lakeshore included Myrica
cerifera, Acer rubrum, and Salix caroliniana. The N and S
ends of the lake were Cladium jamaicense marsh being invaded
by hardwoods like Acer rubrum, Salix caroliniana, Myrica

cerifera, *Cephalanthus occidentalis*, and *Pinus elliottii*. Most of the flatwoods overgrown with *Serenoa repens* and had little open ground for herbaceous species. Some of the flatwoods had been converted to pine plantation. A canal drains the E side of the airport runways to a large canal bordering the S end of the site. Another large canal borders the E side of the site. Residential subdivision on W and S sides.

KEY. ENVIRO. FACTORS:

MINELEV: 22 MAXELEV: 30

CLIMATEDESC:

LANDUSE.HISTORY: A few grassy jeep trails cross the site. Some of the flatwoods had been converted to pine plantation. A canal drains the E side of the airport runways to a large canal bordering the S end of the site. Another large canal borders the E side of the site.

CULTURAL.FEATURES:

Site Design:

SITEMAP: P MAPDATE: 94-11-23
DESIGNER: Schultz, G.E.
BOUNDJUST: Primary and secondary ecological boundaries based on aerial photo interpretation and limited ground truthing of natural communities.

PRISEC.ACRES: PRIMARY.ACRES: TL.ACRES: 1,140.00
SITECOM:

Site Significance:

OLDRATING:
RATINGCOM:

BIODIVSIG: B5
BIODIVCOM: No high ranked elements present.

OTHERVALUES: V2
OTHERVALUCOM: Open space in area undergoing rapid residential development.

PROTURGENCY: P4
PROTURGCOM:

MGMTURGENCY: M4
MGMTURGCOM: Prescribed burning needed to increase herbaceous diversity of flatwoods and maintain herbaceous nature of marsh.

Real Estate and Protection:

CONSINTENT:

NUMTRACTS: ESTPROTCOST:

DESIG.CODE: DESIGNATION:

PROTCOM:

Stewardship:

LANDUSECOM: Site functions as airport buffer lands. Lake frequently used by jet ski enthusiasts. The few grassy jeep trails that cross the E part of the site were gated and locked. Some of the flatwoods had been converted to pine plantation. A canal drains the E side of the airport runways to a large canal bordering the S end of the site. Another large canal borders the E side of the site.

NATHAZCOM:

EXOTICCOM: None observed.

OFFSITE: Flagler County Airport bordered N side of site. Residential development on N, S and E sides. Pine plantations dominate land use to the S where it has not yet been platted with roads. I-95 and interchange at SR 100 was less than one mile to the E. Black Branch Swamp (part of Black Branch SBR) was 1000' to the W and separated from this site by a three block wide strip of residential subdivision.

TNFFONEEDS: Thorough field survey for rare species like Helianthus carnosus.

MGMTNEEDS: Enhancement of flatwoods and marsh by initiating a regular prescribed burning regime.

MACOM:

Element Occurrence Information:

ELCODE:	SNAME:	SCOMNAME:	GRANK:	SRANK:
CPL0000000	BASIN MARSH		G?	S4?
CLB0000000	MARSH LAKE		G4	S4

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

References:

SOURCECODE: CITATION:
PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

IMAGERY.COM: FDOT B&W 93-2-18: PD4116-10-14.

Record Maintenance:

LEADRESP:

ACTION: 94-11-28. EDAUTHOR: Schultz, G.E.

Maintenance History:

OFFICE: INITIALS: CHANGE.DATE: CHANGE.FIELDS:

FLORIDA NATURAL AREAS INVENTORY

07 FEB 1995

USFLHP	VVG	95-01-31	4/12/13/34/35/40/58/59/73/
USFLHP	VVG	94-12-16	COPY

MANUAL.FILE.NOTE:

Optional Fields:

CONTRACT:

CSISCODE:

DIG.METHOD: ARC/INFO

DIG.COM: SCHULTZ, G. (PNDSCH03). SOURCE SCALE: 1:24000. FIELD QUADS.

DIG.DATES: 95-01-23 RDR

PRIORITY:

THREAT:

QUAD:
2908142

MARGNUM:
31

SBR.OPT10:
D

Site Basic Record
HAW CREEKIdentifiers:

ID: COUNTER:
SITECODE: S.USFLHP * 6139
SITENAME: HAW CREEK

SITE.CLASS: MC OLD CODE:

SITEALIAS: FLAGLER COUNTY PNA #1
VOLUSIA COUNTY PNA #8

MCSITECODE: MCSITENAME:

MGSITECODE: MGSITENAME:

SITE.RELATIONS:

DEFINING.MANAME:

Locators:

NATION: US STATE: FL SITERESP: LOCALJURIS:
COUNTYCODE: COUNTYNAME
FLFLAG Flagler
FLVOLUME Volusia
FLPUTN Putnam

QUADNAME: QUADCODE:
ST. JOHNS PARK 2908144
SAN MATEO 2908155
DINNER ISLAND 2908154
BUNNELL 2908143
SEVILLE 2908134
CODYS CORNER 2908133

LAT: 292323N S: N E: W
LONG: 0812453W N: N W: W

TOWNRANGE: SECTION:

012S029E 25,31,32,36
011S028E 18-19, 29-30, 32-33
012S028E 3-4, 9-12, 16, 22-27, 36-42, 45
013S028E 1, 9-16, 21-26,35-38
013S029E 3-10, 15-22, 27-34
014S029E 4-9, 18

MERIDIAN:

TA
TA
TA
TA
TA
TA

TRSNOTE:

DIRECTIONS: From Bunnell, go W on SR 100 ca. 7 miles to CR 305. Turn S and go ca. 4 miles to CR 2006. Turn W and go ca. 3.9 miles until the road ends at the Bull Creek Fish Camp. The site is N and S of the road.

WATERSHED:

Site Basic Record**SITENAME**

Enter the official full name for the Site. Each Site should be assigned a unique name. Once assigned, the value in the SITENAME field should not change unless absolutely necessary. This will ensure consistency and better communication between Natural Heritage Data Centers, Nature Conservancy Field Offices, and other cooperators.

Unofficial names (including informal names and old names) should be entered in the SITEALIAS field.

SITE.CLASS

Enter the appropriate 2-letter code from the list below to indicate whether the Site in this record is a standard site, a macrosite, or a Megasite. Site class should be determined strictly on the basis of acreage.

SS = standard site	< 3, 200 acres
MC = macrosite	3, 200 - 64, 000 acres
MG = megasite	> 64, 000 acres

SITEALIAS

Enter any unofficial name(s) by which this Site is known. You may include informal names, old names, names used by other offices or cooperating organizations, or the original survey site name (from the SURVEYSITE field in the related ELEMENT OCCURRENCE RECORD).

MCSITECODE

MaCroSITE Code

If you are creating an SBR record for a standard site contained within a macrosite, then enter the appropriate Site code for the macrosite. (Enter one code only. A standard site may be contained by only one macrosite; macrosites should not overlap.) A corresponding macrosite record should exist for the code that you enter.

MCSITENAME

MaCroSITE Name

MCSITENAME is a symbolic field representing the name of the macrosite designated in the MCSITECODE field. The macrosite named in this field contains the standard site named in the SITENAME field.

MGSITECODE

MeGaSITE Code

If you are creating an SBR record for a standard site contained within a megasite, or for a macrosite contained within a megasite, then enter the appropriate Site code for the megasite. Since megasites may overlap, and a standard site or macrosite may be contained by more than one megasite, you should enter an appropriate code for each encompassing megasite. A corresponding megasite record should exist for each code that you enter.

MGSITENAME
MeGaSITE Name

MGSITENAME is a symbolic field representing the name of the megasite(s) designated in the MGSITECODE field. The megasite(s) named in this field contain the Site named in the SITENAME field, as well as any macrosite named in the MCSITENAME field.

SITE.RELATIONS

Enter any comments explaining the relationship between this Site and any nested, overlapping or adjacent Sites.

DEFINING.MANAME
DEFINING Area NAME

92/02/18

DEFINING.MANAME is a symbolic field representing the name of the Managed Area whose boundaries were used to define the Site (ie. the MA Equi-site) in this record. The BCD System will automatically display the appropriate Managed Area name based on information entered in the related MANAGED AREA BASIC RECORD (MABR).

COUNTYCODE

Enter a code for each county where the Site is located. If the Site spans more than one county, list the code for the centrum county first. A corresponding record must exist in the COUNTIES file for each county code that you enter.

COUNTYNAME

COUNTYNAME is a symbolic field representing the names of the counties designated in the COUNTYCODE field. The BCD System will automatically display the appropriate county names based on information available in related records in the COUNTIES file.

QUADNAME
QUADrangle NAME

Enter the name(s) of the US Geological Survey topographic quadrangle map(s) on which the Site is located. If the Site spans more than one map, list the map that includes the centrum of the Site first.

QUADCODE
QUADrangle CODE

Enter the appropriate code for each USGS 7.5' (or 15') topographic quadrangle map on which the Site is located.

If the Site spans more than one map, enter the code for the map with the centrum of the Site first.

LAT
LATitude
Enter the latitude of the centrum of the Site.

LONG
LONGitude
Enter the longitude of the centrum of the Site.

TOWNRANGE

TOWNship and RANGE

For those Sites that lie within the United States rectangular land survey (an area including 30 states principally west and south of Ohio), enter the legal township and range description that best defines the location of the Site. If the Site spans more than one township, list the township/range description that includes the Site's centrum first.

Township and range descriptions should be codified in the TOWNRANGE field according to the following 8-character structure:

township — / N or S / range — / E or W

Example: 084N024W is the TOWNRANGE for a Site that is centered in township 84 north and range 24 west.

Further details of the rectangular survey description of the Site location (ie. the section, section divisions, and the meridian) should be specified in the SECTION, TRSNOTE, and MERIDIAN fields.

SECTION

For each township/range description given in the preceding TOWNRANGE field, enter the legal section numbers that best describe the location of the Site in that township.

MERIDIAN

For each township and range description given in the TOWNRANGE field, enter a 2-character code from the list below for the legal meridian from which the east and west US rectangular land survey range measurements were made.

TRSNOTE

Township, Range, and Section NOTE

If the Site can be precisely located within a particular section or set of sections, then describe the specific legal section division(s) (eg. the SE1/4 of the NW 1/4) where the Site (or its centrum) may be found.

DIRECTIONS

Enter precise directions to the Site using a readily locatable landmark (eg. a city, a major highway, etc.) as the starting point on a state or county road map.

Use clear complete sentences that will be understandable to someone who is unfamiliar with the area, needs to get to the Site and has only your directions to follow. Cite distances as closely as possible to the 1/10 of a mile, use compass directions (N, S, E, and W), and be sure to specify the best access to the Site, such as where to park or which trail to use.

WATERSHED

Enter the appropriate 8-digit code from the US Geological Survey Hydrologic Unit Map for each watershed where the Site is located.

If the Site spans more than one watershed, list the watershed that includes the Site's centrum first. If you wish to track hydrologic subunits, you may use the expanded 11-digit code(s) instead.

SITEDESC**SITE DESCRIPTION**

Enter a short general visual description (or word picture) of the principal physical and natural features on the Site.

You may include in the description mention of noteworthy flora, fauna and communities and a brief account of the substrate (geologic formations, bedrock), soil types, hydrology (xeric, mesic, hydric, and hydrologic regimes), and general topography (mountains, valleys, relief, etc.).

Comments about the significance of the Site and its features should be entered in the BIODIVCOM and OTHERVALUCOM fields.

KEY.ENVIRO.FACTORS**KEY ENVIRONMENTAL FACTORS**

Enter comments describing the "driving factors" or key environmental variables which are known to exert a major influence on the biota at this Site. Key factors may include such things as seasonal flooding, wind, soil type, etc.

MINELEV**MINIMUM ELEVATION**

Enter the minimum elevation of the area covered by the Site. The minimum elevation should represent the lowest altitude in feet, above or below sea level, at which the Site is found.

Enter the maximum elevation covered by the Site in the next field, MAXELEV.

If the Site is located on flat terrain, then enter the uniform elevation in this field (MINELEV), and leave the MAXELEV field blank.

A symbolic AVGELEV field will be available in the SBR file dictionary representing the Site's calculated average elevation.

MAXELEV**MAXIMUM ELEVATION**

Enter the maximum elevation of the area covered by the Site. The maximum elevation should represent the highest altitude in feet, above or below sea level, at which the Site is found.

If the Site is located on flat terrain, then leave this field blank; enter the uniform elevation in the MINELEV field instead.

A symbolic AVGELEV field will be available in the SBR file dictionary representing the Site's calculated average elevation.

CLIMATEDESC**CLIMATE DESCRIPTION**

Enter any general comments concerning climate and weather patterns, wind patterns, seasonal and annual variations, as well as temperature and precipitation patterns characteristic of the Site.

LANDUSE.HISTORY

Enter comments concerning past land uses on this Site (such as mining, logging, shifting cultivation, etc.).

Do not describe current land uses in this field. You may enter comments concerning current land uses in the LANDUSECOM field.

CULTURAL.FEATURES

Enter comments concerning any historic, cultural, or archaeologic features found on the Site (eg. pictographs, petroglyphs, burial mounds, prehistoric artifacts, etc.)

SITEMAP

Specify whether a Site design map including all or some of the required components has been completed by entering one of the following letters:

- Y = Yes, a Site map including all required components has been completed
- P = a partial map has been completed
- N = No, there is no Site map or no known Site map

MAPDATE

Enter the date (yy-mm-dd) on which a Site map was completed.

DESIGNER

Enter the name of the person (last name first) who designed the Site and determined its boundaries.

BOUNDJUST

BOUNDary JUSTification

Explain the biological rationale used to determine the location of the Site's primary and secondary ecological boundaries. Your explanation should clearly justify why the Site boundaries were drawn where they were rather than simply describe the boundaries or any coincidental property lines.

Include reference to the source of information (eg. field work, maps, etc.) on which boundary decisions were based.

PRISEC.ACRES

PRImary and SEConDary ACRES

Enter the estimated total acreage of the Site (ie. enter the total acres of land that fall within the primary and secondary ecological boundaries of the Site).

PRISEC.ACRES in the SBR record should be equal to the sum of PRISEC.ACRES from all the TRACTS records for Tracts associated with this Site.

Do not include trade land acreage in PRISEC.ACRES. A Site is defined by ecological boundaries and includes only ecologically significant areas; trade lands, by definition, have no ecological significance and are never found within a Site's boundaries. Trade lands may still be associated with a Site but only when the legal Tracts of land associated with the Site extend beyond the boundaries of the Site. That portion of a Tract which falls outside of the Site's boundaries may be considered trade land. The trade land acreage for that Tract should be entered in the TL.ACRES field in theTRACT.DETAIL record. The total trade land

acreage associated with the Site(equal to the sum of TL.ACRES from all related TRACT.DETAIL records) should be entered in the TL.ACRES field in the SITE BASIC RECORD.

PRIMARY.ACRES

PRIMary ACRES

Enter the estimated total acreage that occurs within the primary ecological boundaries of the Site.

The sum of PRIMARY.ACRES from all TRACTS records associated with this Site should be equal to the value you enter in PRIMARY.ACRES here.

TL.ACRES

Trade Land ACRES

Enter the estimated total trade land acreage associated with the Site.

Trade lands may be associated with a Site when the legal Tracts of land associated with the Site extend beyond the boundaries of the Site. That portion of each Tract which falls outside of the Site's boundaries may be considered trade land. The trade land acreage for a particular Tract should be entered in the TL.ACRES field in the corresponding TRACTS record. The total trade land acreage associated with the Site (equal to the sum of TL.ACRES from all related TRACTS records) should be entered in the TL.ACRES field here.

You should enter an exact figure if known; otherwise approximate as best you can.

If you know that there are no trade land acres, then enter a zero (0).

If you do not know whether there are any trade land acres, then leave this field blank.

Comments on the Site's trade land acreage should be entered in the SITECOM field.

SITECOM

SITE COMmēnts

Enter general comments regarding the Site.

If the Site in this record is a priority megasite or wetland site, specify the source (a letter, memo or other documentation) and date of the recommendation for prioritizing the Site.

BIODIVSIG

BIODIVersity SIGnificance

Enter the appropriate 2-character code from the list below for the rating which best describes the significance of the Site in terms of its biological diversity.

- B1 - Outstanding significance, such as the only known occurrence of any Element, the best or an excellent (A-ranked) occurrence of a G1 Element, or a concentration (4+) of high-ranked (A- or B-ranked) occurrences of G1 or G2 Elements. Site should be viable and defensible for targeted Elements and ecological processes contained.

Macro/Megasite: Should contain multiple B1 Standard Sites which require additional bufferage in a Bioreserve context. Or should be THE outstanding example of an integrated landscape complex for a major ecoregion or biome and be defensible in its entirety.

- B2 - Very high significance, such as one of the most outstanding occurrences of any community Element (regardless of its Element rank). Also includes areas containing any other (B-, C- or D-ranked) occurrence of a G1 Element, a good (A- or B-ranked) occurrence of a G2 Element, an excellent (A-ranked) occurrence of a G3 Element, or a concentration (4+) of B-ranked G3 or C-ranked G2 Elements.

Macro/Megasite: Should contain multiple B2 Standard Sites which require additional bufferage in a Bioreserve context. Or should be documented as a migratory stopover critical to the existence of one or more species, or should be a second best example of an integrated landscape complex in an ecoregion.

- B3 - High significance, such as any other (C- or D-ranked) occurrence of a G2 Element, a B-ranked occurrence of a G3 Element, an A-ranked occurrence of any community, or a concentration (4+) of A- or B-ranked occurrences of (G4 or G5) S1 Elements.

Macro/Megasite: Should contain multiple B3 Standard Sites which require additional bufferage in a Bioreserve context. Or should be at least an adequate example of a regional landscape type in an under-represented ecoregion.

- B4 - Moderate significance, such as a C-ranked occurrence of a G3 Element, a B-ranked occurrence of any community, an A- or B-ranked or only state (but at least C-ranked) occurrence of a (G4 or G5) S1 Element, an A-ranked occurrence of an S2 Element, or a concentration (4+) of good (B-ranked) S2 or excellent (A-ranked) S3 Elements.

Macro/Megasite: Should contain multiple B4 Standard Sites. Or could be a less adequate example of a regional landscape type, perhaps of a fragmented nature making successful management more difficult.

- B5 - Of general biodiversity interest or open space.

Notes: For purposes of assigning Biodiversity Significance ratings to Sites:

Elements with range ranks spanning two levels (eg. G2G3) should be treated as if they had the higher (eg. G2) of the two ranks;

Elements with range ranks spanning three levels (eg. G3G5) should be treated at the middle rank (eg. G4);

Elements with ranks such as G3? should be treated as if there were no question mark;

Elements with a GU rank should be treated as if it were G4;

Elements with "Q"s attached to their global ranks (ie. questionable taxa) should be treated at the next lower G rank (eg. treat a G3Q as if it were a G4);

Elements with "T"s attached to their global ranks (ie. subspecific taxa) should be treated at the next lower G rank (eg. treat a G4T1 as if it were a G2 (see RSQ Table));

Element Occurrences with range ranks (eg. AB) should be treated as if they were ranked at the lower of the two levels (eg. B);

Element Occurrences that are not yet ranked should be treated as if they were C-ranked.

BIODIVCOM**BIOlogical DIVERsity COMments**

Enter comments justifying the Site biological diversity significance rating that was assigned in the BIODIVSIG field.

OTHERVALUES

Enter the appropriate 2-byte code (from the list below) for the rating which best describes the significance of the Site in terms of its aesthetic, recreational, open space, and other ecological values, including its role in maintaining ecosystem health (eg. by providing game and wildlife habitat, aquifer recharge functions, erosion control, etc.).

- V1 - Outstanding values. Such values are generally recognized and a high amount of interest exists in the site's protection.
- V2 - High values.
- V3 - Moderate values.
- V4 - No important other values discernible or known.
- V5 - Other values demonstrably absent or actual counter values exist and/or the Site's other values are incompatible with land conservation.

OTHERVALUCOM**OTHER VALUes COMments**

Enter comments justifying the Site's other-values rating that was assigned in the OTHERVALUES field.

PROTURGENCY**PROTection URGENCY**

Enter the appropriate 2-byte code (from the list below) for the rating which best describes the urgency to protect the Site. The urgency for protection action (not to be confused with the urgency for management action) will generally increase with impending threats to the Site until legal, political, or other administrative measures are taken.

- P1 - Immediately threatened by severely destructive forces (within 1 year of rank date); protect now or never!
- P2 - Threat expected within 5 years.
- P3 - Definable threat, but not in next 5 years.
- P4 - No threat known for foreseeable future.
- P5 - Land protection complete (CS = IS for all Tracts within the secondary ecological boundary) or adequate reasons exist not to protect the Site; do not act on this Site!

A protection action should not be confused with a management action. A protection action typically involves raising the current status (CS) of one or more Tracts at a Site. It may also include activities such as educational or public relations campaigns or collaborative planning efforts with public or private entities to minimize adverse impacts to Element Occurrences at a Site. It does not include management actions (ie.

any action requiring stewardship intervention). Urgency for management action should be rated separately in the MGMTURGENCY field.

Threats that may require a protection action include:

- 1) anthropogenic forces that threaten the existence of one or more Element Occurrences at the Site (eg. (a) development that would destroy, degrade, or seriously compromise the long-term viability of an Element Occurrence; and (b) timber, range, recreational, or hydrologic management that is incompatible with an Element Occurrence's existence);
- 2) the inability to undertake a management action in the absence of a protection action (eg. obtaining a management agreement);
- 3) in extraordinary circumstances, a prospective change in ownership or management that will make future protection actions much more difficult.

PROTURGCOM

PROTection URGENCY COMments

Enter comments justifying the Site protection urgency rating that was assigned in the PROTURGENCY field.

MGMTURGENCY

ManaGeMenT URGENCY

Enter the appropriate 2-byte code (from the list below) for the rating which best describes the urgency to manage one or more Elements at the Site. The urgency for management action (not to be confused with the urgency for legal protection action) requires stewardship intervention in order to maintain Element Occurrences at the Site.

- M1 - a) New management action required immediately or Element Occurrences could be lost or irretrievably degraded within 1 year.
b) Ongoing annual management action must continue or Element Occurrences could be lost or irretrievably degraded within 1 year.
- M2 - a) New management action will be needed within 5 years to prevent loss of Element Occurrences.
b) Ongoing, recurring management action must continue within 5 years to prevent loss of Element Occurrences.
- M3 - a) New management action will be needed within 5 years to maintain current quality (ie. EORANK) of Element Occurrences.
b) Ongoing, recurrent management action must continue within 5 years to maintain current quality of Element Occurrences.
- M4 - Although not currently threatened, management may be needed in the future to maintain current quality of Element Occurrences.
- M5 - No serious management needs known or anticipated at Site.

A management action should not be confused with a legal protection action. A management action may include biological management (eg. prescribed burning, removal of exotics, mowing, etc.) or people and Site management(eg. building barriers to prevent ORV use, rerouting trails, patrolling for collectors, hunters or trespassers, etc.). Management action does not include legal, political, or administrative measures taken to protect a Site. Urgency for protection action should be rated separately in the PROTURGENCY field.

MGMTURGCOM

ManaGeMenT URGENCY COMments

Enter comments justifying the Site management urgency rating that was assigned in the MGMTURGENCY field.

Do not describe general Site management needs in this field. Only those needs that are urgent or specific to maintaining the Element Occurrences on the Site should be addressed. Routine management needs that apply to the Site as a whole should be described in the MGMTNEEDS field instead.

CONSINTENT

CONSeRvation INTENTions

Summarize the general conservation intentions for the Site. Describe the protection strategy and indicate the intended statuses (IS) of the component Tracts.

General comments on the current statuses (CS) of component Tracts should be entered in the SBR record's PROTCOM field.

NUMTRACTS

NUMber of TRACTS

Enter the estimated number of legal Tracts that make up the Site. If the number of Tracts is not known or can not be estimated, then leave this field blank.

A TRACTS record should be completed for each Tract in the Site.

ESTPROTCOST

ESTimated PROTection COST

Enter the estimated cost to The Nature Conservancy to protect the Site. Include preserve design, acquisition, and stewardship costs.

DESIG.CODE

DESIGNation CODE

Enter an appropriate code for the special government or Nature Conservancy designation given to the Site. A corresponding record must exist in the DESIGNATIONS file for the designation code that you enter.

Examples:	<u>DESIG.CODE</u>	<u>DESIGNATION</u>
	NNL	National Natural Landmark
	RNA	Research Natural Area
	PWL	Priority Wetlands Site
	PMGS	Priority Megasite
	MAB-BR	Man and the Biosphere - Biosphere Reserve

DESIGNATION

DESIGNATION is a symbolic field representing the full name of the special government or Nature Conservancy designation referenced in the DESIG.CODE field. The BCD System will automatically display the appropriate designation based on information available in the related DESIGNATIONS record.

PROTCOM**PROTection COMments**

Summarize the general level of protection currently afforded the Site indicating the current protection statuses (CS) of the component Tracts.

Comments on the general conservation intentions for the Site and the intended statuses (IS) of component Tracts should be entered in the CONSINTENT field.

LANDUSECOM**LAND USE COMments**

Describe current and past land use, improvements and structures. Describe how the land has been used and is currently used and discuss the stewardship implications of this use. Also describe stewardship implications including hydrological alterations, etc.

Uses to consider: recreation, dumping, agriculture, mining, ROWs, etc. Discuss the possibility of hazardous or toxic waste disposal on Site including reasons as to why it may or may not be a problem.

NATHAZCOM**NATural HAZard COMments**

Describe potential natural hazards (eg. cliffs, caves, waterfalls, etc.) on the Site and indicate any precautions stewardship should take.

EXOTICCOM**EXOTICs COMments**

Describe potentially damaging exotic (ie. alien) flora and fauna (eg. kudzu, honeysuckle, purple loosestrife, periwinkle, English ivy, feral goats, pigs, etc.) on the Site. Indicate their location and abundance, as well as their effect on the viability of endangered Elements. Indicate also how stewardship will manage or control the exotic species and whether local ordinances require such control.

OFFSITE

Describe off-site land uses (eg. farming, logging, grazing, dumping, watershed diversion, etc.) and how those uses might affect the Site, Elements on the Site, and management of the Site.

INFONEEDS**INFORmation NEEDS**

Summarize the information that is still needed in order to effectively manage the Site and Elements on it. Include such items as the need for Element Stewardship Abstracts, research on management techniques, a more detailed land use history, or baseline monitoring.

MGMTNEEDS**ManaGeMenT NEEDS**

Summarize the expected management needs for the Site and the Elements on it. Include routine items such as the need for fencing, restricting use, grazing, control of exotics, burning, etc.

Any urgent items (where immediate specific management actions are essential for the preservation of specific Element Occurrences on the Site) should be listed separately in the MGMTURGCOM field.

Comments concerning a Managed Area currently overlying the Site (or a Managed Area that will be established to protect the Site) should be entered in the SBR record's MACOM field.

MACOM

Managed Area COMments

Explain the Site/Managed Area relationship if a Managed Area has been or will be established to protect the Site (eg. "Site is wholly contained in the Brigantine NWR").

Summarize the specific management needs for the Site (such as fencing, grazing, burning, etc.) in the SBR record's MGMTNEEDS field.

IMAGERY.COM

IMAGERY COMments

Enter any comments explaining the kinds of imagery that are available for this Site.

Site Basic Record
BIMINI SOUTH SWAMPIdentifiers:

ID: COUNTER:
SITECODE: S.USFLHP * 6142
SITENAME: BIMINI SOUTH SWAMP

SITE.CLASS: SS OLDCODE:

SITEALIAS: FLAGLER COUNTY PNA #8

MCSITECODE: MCSITENAME:

MGSITECODE: MGSITENAME:

SITE.RELATIONS:

DEFINING.MANAME:

Locators:

NATION: US STATE: FL SITERESP:
 COUNTYCODE: COUNTYNAME LOCALJURIS:
 FLFLAG Flagler

QUADNAME: QUADCODE:
BUNNELL 2908143
ST. JOHNS PARK 2908144

 LAT: 292714N S: N E: W
 LONG: 0812155W N: N W: W
TOWNRANGE: SECTION: MERIDIAN:
012S029E 14-16,21-22 TA

TRSNOTE:

DIRECTIONS: From US 1 in Bunnell, go W on SR 100 ca. 3 miles. Continue W
on CR 302 and go 2.2 miles. EO is on S side of road.

WATERSHED:

Site Description:

SITEDESC: Basin swamp ca. 2000+' wide and 9000' long. High diversity
in 100% canopy cover of trees up to 18-24" DBH and 40-50'
tall. Dominant species were Nyssa biflora , Acer rubrum,
Magnolia virginiana, Fraxinus sp., Taxodium ascendens,
Quercus laurifolia, Ulmus americana, Pinus elliottii and
Sabal palmetto. The swamp west of CR 305 was in good
condition but divided into small compartments by canals and
high roadbeds. Canals also crossed under the county roads.

KEY.ENVIRO.FACTORS:

Basin subject to seasonal flooding.

MINELEV: 20 MAXELEV:

CLIMATEDESC:

LANDUSE.HISTORY: Historic timber cutting in swamp.

CULTURAL.FEATURES:

Site Design:

SITEMAP: P MAPDATE: 94-11-23
DESIGNER: Schultz, G.E.
BOUNDJUST: Primary and secondary ecological boundaries based on aerial
photo interpretation and limited ground truthing of natural
communities.

PRISEC.ACRES: PRIMARY.ACRES: TL.ACRES: 935.00
SITECOM:

Site Significance:

OLDRATING:
RATINGCOM:

BIODIVSIG: B4
ODIVCOM: Basin was of significant size and had numerous large trees.
OTHERVALUES: V2
OTHERVALUCOM: Ecological value high as aquifer recharge area and wildlife habitat.
PROTURGENCY: P3
PROTURGCOM: Most of uplands surrounding swamp have already been converted to large agricultural fields. Cypress timber in basin approaching adequate size for logging.
MGMTURGENCY: M4
MGMTURGCOM: Prevent logging operations from entering wetland system.

Real Estate and Protection:

CONSINTENT:

NUMTRACTS: ESTPROTCOST:
DESIG.CODE: DESIGNATION:

PROTCOM:

Stewardship:

LANDUSECOM: SW end of swamp divided by grassy roads on high dikes in sparsely settled Daytona North Subdivision. Swamp had numerous old stumps but appeared undisturbed in recent years.

NATHAZCOM:

EXOTICCOM: Feral hog rooting had disturbed the ground in many areas of the swamp.

OFFSITE: Surrounding large agricultural fields were drained by ditches into the swamp. Chemical runoff from these fields could affect site vitality.

INFONEEDS: Need to study effects of drainage on site hydrology.

MGMTNEEDS: Drainage needs to be regulated to prevent degradation of site. Feral hog population will need to be controled.

MACOM:

Element Occurrence Information:

ELCODE: SNAME:
CPK0000000 BASIN SWAMP

SCOMNAME:

GRANK: SRANK:
G4? S3

Additional Topics:

A--TL.TOPICS:

TOPIC.KEYWORDS:

References:

SOURCECODE: CITATION:

PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

IMAGERY.COM: FDOT B&W 93-2-18: PD4116-5-14.

Record Maintenance:

LEADRESP:

EDITION: 94-11-28. EDAUTHOR: Schultz, G.E.

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-02-01	49
USFLHP	VVG	95-01-31	34/58/59/74/99
USFLHP	VVG	95-01-31	4/12/13/40/43/73
USFLHP	VVG	94-12-16	COPY

MANUAL.FILE.NOTE:Optional Fields:

CONTRACT:

CSISCODE:

DIG.METHOD: ARC/INFO

DIG.COM: SCHULTZ, G. (PNDSCH03). SOURCE SCALE: 1:24000. FIELD QUADS.

DIG.DATES: 95-01-20 RDR

PRIORITY:

THREAT:

QUAD:

2908143

2908144

MARGNUM:

22

26

SBR.OPT10:

D

D

Site Basic Record
BLACK BRANCHIdentifiers:

ID: COUNTER:
SITECODE: S.USFLHP * 6146
SITENAME: BLACK BRANCH

SITE.CLASS: SS OLDCODE:

SITEALIAS: FLAGLER COUNTY PNA #14 AND 15

 MCSITECODE: MCSITENAME:

 MGSITECODE: MGSITENAME:

SITE.RELATIONS:

DEFINING.MANAME:

Locators:

NATION: US STATE: FL SITERESP:
 COUNTYCODE: COUNTYNAME LOCALJURIS:
 FLFLAG Flagler

ADNAME: QUADCODE:
BUNNELL 2908143
FLAGLER BEACH WEST 2908142

 LAT: 292629N S: N E: W
 LONG: 0811801W N: N W: W

TOWNRANGE:	SECTION:	MERIDIAN:
012S029E	24-26, 34-36	TA
013S029E	1-2	TA
012S030E	11-14, 16-34	TA
013S030E	4-5	TA
012S031E	18-19	TA

TRSNOTE:

DIRECTIONS: For Section 18, go W on SR 100 ca. 2.5 miles from US 1 in Bunnell; site is on S side of road. For Section 21, go SW on SR 11 ca. 1.5 miles from US 1 in Bunnell; site is on both sides of road. For Section 32, continue SW on SR 11 ca. 2.5 miles; site is on both sides of road.

WATERSHED:

Site Description:

SITEDESC: This widespread site forms part of the Haw Creek headwaters. The floodplain swamp corridors along the creeks were narrow, low quality connections between the wider, medium to high quality areas in Black Point Swamp, Sweetwater Swamp, and Black Branch Swamp. Numerous stumps from past logging were

observed. Cattle grazing disturbed the groundcover in some areas. Pine plantations dominated surrounding uplands. Dominant swamp species were *Taxodium ascendens*, *Nyssa biflora*, *Acer rubrum*, *Liquidambar styraciflua*, *Ulmus americana*, *Quercus laurifolia*, *Sabal palmetto*, *Myrica cerifera*, *Saururus cernuus*, *Woodwardia virginica*, *W. areolata*, *Cladium jamaicense*, *Panicum gymnocarpon*, *Rhynchospora miliacea*, and *Toxicodendron radicans*. Several *Cladium jamaicense* dominated basin marshes covering 10 acres or less were located near SR 11. These appeared to be in good condition but were in the middle of planted pines with grazing cattle.

KEY.ENVIRO.FACTORS:

Basin subject to seasonal flooding.

MINELEV: 5

MAXELEV: 21

CLIMATEDESC:

LANDUSE.HISTORY: Historic timber cutting in swamp and in flatwoods.

CULTURAL.FEATURES:

Site Design:

SITEMAP: P MAPDATE: 94-11-23

DESIGNER: Schultz, G.E.

BOUNDJUST: Primary and secondary ecological boundaries based on aerial photo interpretation and limited ground truthing of natural communities.

PRISEC.ACRES:

PRIMARY.ACRES:

TL.ACRES: 13,085

SITECOM: Boundaries of this site are somewhat similar to SBR*514 - Tiger Bay.

Site Significance:

OLDRATING:

RATINGCOM:

BIODIVSIG: B4

BIODIVCOM: Larger areas of basin swamp were of significant size and had numerous large trees of many species.

OTHERVALUES: V3

OTHERVALUCOM: Ecological value high as aquifer recharge area and wildlife habitat and corridor.

PROTURGENCY: P2

PROTURGCOM: Active logging occurring in the upland areas surrounding swamps. Cypress timber in basin of adequate size for logging.

MGMTURGENCY: M4

MGMTURGCOM: Prevent logging operations from entering wetland systems.

Real Estate and Protection:

CONSISTENT:

CONTRACTS:

ESTPROTCOST:

DESIG.CODE: DESIGNATION:

PROTCOM:

Stewardship:

LANDUSECOM: Swamps had numerous old stumps but appeared undisturbed in recent years. Pine plantations dominated uplands. Cattle grazing disturbed groundcover in some areas. High voltage power transmission line crosses through site.

NATHAZCOM:

EXOTICCOM: None observed.

OFFSITE: Pine plantations dominated surrounding areas. A residential subdivision (part of Palm Coast development) surrounds the swamp E of US 1. City of Bunnell just N of site.

INFONEEDS: Need to study effects of drainage on site hydrology.

MGMTNEEDS: Drainage needs to be regulated to prevent degradation of site.

MACOM:

Element Occurrence Information:

ELCODE:	SNAME:	SCOMNAME:	GRANK:	SRANK:
PDAST4N0A0	HELIANTHUS CARNOSUS	LAKE-SIDE SUNFLOWER	G1G2	S1S2
CPL0000000	BASIN MARSH		G?	S4?
CPK0000000	BASIN SWAMP		G4?	S3
CPC0000000	FLOODPLAIN SWAMP		G?	S4?
CPC0000000	FLOODPLAIN SWAMP		G?	S4?

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

References:

SOURCECODE: CITATION:
PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

IMAGERY.COM: FDOT B&W 93-2-18: PD4116-5-13, 6-13, 7-09 to 7-13, 7A-03, 8-11 to 8-13, 9-13 to 9-15.

Record Maintenance:

LEADRESP:

FRTION: 94-11-28. EDAUTHOR: Schultz, G.E.

Maintenance History:

OFFICE: INITIALS: CHANGE.DATE: CHANGE.FIELDS:

FLORIDA NATURAL AREAS INVENTORY

07 FEB 1991

USFLHP	VVG	95-02-01	49/59
USFLHP	VVG	95-01-31	4/12/13/26/34/40/43/58/59/
USFLHP	VVG	94-12-16	COPY

MANUAL.FILE.NOTE:

Optional Fields:

CONTRACT:

CSISCODE:

DIG.METHOD: ARC/INFO

DIG.COM: SCHULTZ, G. (PNDSCH03). SOURCE SCALE: 1:24000. FIELD QUADS.

DIG.DATES: 95-01-26 RDR

PRIORITY:

THREAT:

QUAD:

2908143

2908142

MARGNUM:

17

32

SBR.OPT10:

D

D

Site Basic Record
DINNER ISLAND BIG CYPRESS SWAMPIdentifiers:ID: COUNTER:
SITECODE: S.USFLHP * 6141
SITENAME: DINNER ISLAND BIG CYPRESS SWAMP

SITE.CLASS: MC OLD CODE:

SITEALIAS: FLAGLER COUNTY PNA #3 AND 4
PETERSON TRACT

MCSITECODE: MCSITENAME:

MGSITECODE: MGSITENAME:

SITE.RELATIONS:

DEFINING.MANAME:

Locators:NATION: US STATE: FL SITERESP:
COUNTYCODE: COUNTYNAME LOCALJURIS:
FLFLAG Flagler
FLSTJO St JohnsQUADNAME: QUADCODE:
DINNER ISLAND 2908154
ST. JOHNS PARK 2908144
SPUDS 2908164
BUNNELL 2908143
ESPANOLA 2908153
DINNER ISLAND NE 2908163LAT: 293035N S: N E: W
LONG: 0812316W N: N W: W

TOWNRANGE: SECTION:

011S029E 4-9,16-21,27-34
010S029E 8-10,15-22,27-34
012S029E 3-4

MERIDIAN:

TA
TA
TA

TRSNOTE:

DIRECTIONS: From US 1 in Bunnell, go W on SR 100 ca. 10 miles to CR 2005. Continue W ca. 0.25 miles (crossing the bridge over White Oak Branch) and turn N on gated dirt road. Proceed N ca. 2 miles to four-way intersection. Turn E and go SE ca. 0.6 mile. Turn E and go 0.1 mile to where the road is blocked by a dirt pile and ditch. Park here and walk NE ca. 1 mile to the end of the logging road. Basin swamp is ca. 0.1 mile to the E beyond the cutover area.

WATERSHED:

Site Description:

SITEDESC: Large basin swamp ca. 10 mi N-S and 1 mi E-W; covering more than 6 square miles. Swamp with high diversity in 100% canopy cover. Dominant species included Nyssa biflora, Taxodium ascendens, Acer rubrum, Magnolia virginiana, Quercus laurifolia, Liquidambar styraciflua, and Pinus elliotii. Old Taxodium stumps were occasionally seen 24+" in diameter. Muck soil saturated and flooded in some locations. Some of the drier areas around the swamp edges were logged for pine timber in 1991; a few pine seed trees were left. Surrounding land use was mainly planted pine (cleared agricultural fields were to the S).

KEY.ENVIRO.FACTORS:

Basin subject to seasonal flooding.

MINELEV: 20

MAXELEV:

CLIMATEDESC:

LANDUSE.HISTORY: Historic timber cutting in swamp; recent logging of pines evident on edges of swamp.

CULTURAL.FEATURES:

Site Design:

SITEMAP: P MAPDATE: 94-11-21

DESIGNER: Schultz, G.E.

BOUNDJUST: Primary and secondary ecological boundaries based on aerial photo interpretation and limited ground truthing of natural communities.

PRISEC.ACRES:

PRIMARY.ACRES:

TL.ACRES: 16,465.00

SITECOM:

Site Significance:

OLDRATING:

RATINGCOM:

BIODIVSIG: B3

BIODIVCOM: Basin was of significant size and had numerous large trees.

OTHERVALUES: V2

OTHERVALUCOM: Ecological value high as aquifer recharge area and wildlife habitat.

PROTURGENCY: P2

PROTURGCOM: Most of uplands surrounding swamp have already been converted to pine plantations. Cypress timber in basin of adequate size for logging.

MGMTURGENCY: M4

MGMTURGCOM: Prevent logging operations from entering wetland system.

Real Estate and Protection:

CONSISTENT:

CONTRACTS:

ESTPROTCOST:

DESIG.CODE: DESIGNATION:

PROTCOM:

Stewardship:

LANDUSECOM: Most of surrounding uplands were pine plantations of variable age. Wetlands had scattered old stumps but appeared undisturbed in recent years. Part of site open to hunting of game animals.

NATHAZCOM:

EXOTICCOM: None observed.

OFFSITE: Pine plantations dominate surrounding area.

INFONEEDS: Need to study effects of drainage on site hydrology. Large canal bordering W side of site drains to S.

MGMTNEEDS: Uplands need to be restored to a more natural condition by regular burning and selective thinning of planted pines. Drainage needs to be regulated to prevent degradation of site.

MACOM:

Element Occurrence Information:

ELCODE:	SNAME:	SCOMNAME:	GRANK:	SRANK:
CPK0000000	BASIN SWAMP		G4?	S3
CPK0000000	BASIN SWAMP		G4?	S3

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

References:

SOURCECODE: CITATION:
PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

IMAGERY.COM: FDOT B&W 93-2-18 and 93-2-19: PD4116-4-16 to 4-26, and 5- 16
to 5-24.

Record Maintenance:

LEADRESP:

EDITION: 94-11-28. EDAUTHOR: Schultz, G.E.

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-02-01	49
USFLHP	VVG	95-01-31	4/9/12/13/34/40/43/58/59/6

USFLHP VVG 94-12-16 COPY

MANUAL.FILE.NOTE:

Optional Fields:

CONTRACT:

CSISCODE:

DIG.METHOD: ARC/INFO

DIG.COM: SCHULTZ, G. (PNDSCH03). SOURCE SCALE: 1:24000. FIELD QUADS.

DIG.DATES: 95-01-23 RDR

PRIORITY:

THREAT:

QUAD:	MARGNUM:	SBR.OPT10:
2908154	7	D
2908144	28	D
2908164	14	D
2908143	23	D
2908153	21	D
2908163	23	D

Site Basic Record
EAGLE ROCK RANCHIdentifiers:

ID: COUNTER:
SITECODE: S.USFLHP * 6150
SITENAME: EAGLE ROCK RANCH

SITE.CLASS: SS OLDPCODE:

SITEALIAS: FLAGLER COUNTY PNA #22

MCSITECODE: MCSITENAME:

MGSITECODE: MGSITENAME:

SITE.RELATIONS:

DEFINING.MANAME:

Locators:

NATION: US STATE: FL SITERESP:
COUNTYCODE: COUNTYNAME LOCALJURIS:
FLFLAG Flagler

DNAME: QUADCODE:
FLAGLER BEACH WEST 2908142
FAVORETTA 2908132

LAT: 292245N S: N E: W
LONG: 0811010W N: N W: W

TOWNRANGE: SECTION: MERIDIAN:
013S031E 3-5,8-10,15-16,21-22 TA

TRSNOTE:

DIRECTIONS: From SR 100 in Bunnell, go S on US 1 ca. 5 miles to Korona.
Turn E on Old Dixie Highway and go 1.8 miles to power
transmission line. Turn S on gated limerock road; site is on
the W side of this road.

WATERSHED:

Site Description:

SITEDESC: A three square mile area dominated by mesic flatwoods in
fair condition. Small dome swamps and mesic hammocks were
scattered throughout the site. Most of flatwoods overgrown
with Serenoa repens and had little open ground for
herbaceous species. The flatwoods canopy was abundant Pinus
elliottii of various ages- up to 15" DBH and 50' tall. Some
pines had old trunk scars from turpentine collecting.
Several canals drained the site. Residential development on
N, E and S sides. New golf course to the E. Bounded by US 1
on the W.

KEY. ENVIRO. FACTORS:

MINELEV: 25 MAXELEV: 30

CLIMATEDESC:

LANDUSE.HISTORY: A few grassy jeep trails cross the site. No signs of significant disturbance. No pine stumps or livestock were observed.

CULTURAL.FEATURES:

Site Design:

SITEMAP: P MAPDATE: 94-11-23
DESIGNER: Schultz, G.E.
BOUNDJUST: Primary and secondary ecological boundaries based on aerial photo interpretation and limited ground truthing of natural communities.

PRISEC.ACRES: PRIMARY.ACRES: TL.ACRES: 2,427.00
SITECOM: Boundaries of this site are somewhat similar to SBR*514 - Tiger Bay.

Site Significance:

OLDRATING:
RATINGCOM:

BIODIVSIG: B5
BIODIVCOM: Flatwoods appeared to be in unlogged condition but need to be burned.

OTHEervalues: V3
OTHErvalucOM: Open space in area undergoing rapid residential development.

PROTURGENCY: P3
PROTURGCOM: Rapidly developing residential subdivision to the E of the site. W side of site fronts on US 1. The high and dry land of the site has high development potential.

MGMTURGENCY: M4
MGMTURGCOM: Prescribed burning needed to increase herbaceous diversity of flatwoods.

Real Estate and Protection:

CONSINTENT:

NUMTRACTS: ESTPROTCOST:

DESIG.CODE: DESIGNATION:

PROTCOM:

Stewardship:

LANDUSECOM: No apparent current land use. Fences of barbed wire were on perimeter of site.

NATHAZCOM:

EXOTICCOM: None observed.

OFFSITE: Residential development on N, E and S sides. New golf course and subdivision to the E. Bounded by US 1 on the W. I-95 and interchange less than 1 mile to the E. High voltage power transmission line on E site boundry. The proximity of the subdivisions and highways could make prescribed burning difficult.

INFONEEDS: Thorough field survey for rare species like Helianthus carnosus.

MGMTNEEDS: Enhancement of flatwoods by initiating a regular prescribed burning regime.

MACOM:

Element Occurrence Information:

ELCODE: SNAME:
CTE0000000 MESIC FLATWOODS

SCOMNAME:

GRANK: SRANK:
G? S4

Additional Topics:

TL.TOPICS:

TOPIC.KEYWORDS:

References:

SOURCECODE: CITATION:

PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

IMAGERY.COM: FDOT B&W 93-2-18: PD4116-11-09 and 11-10.

Record Maintenance:

LEADRESP:

EDITION: 94-11-28. EDAUTHOR: Schultz, G.E.

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-31	4/12/13/26/34/35/40/43/58/
USFLHP	VVG	94-12-16	COPY

MANUAL.FILE.NOTE:

Optional Fields:

CONTRACT:

CSISCODE:

L .METHOD: ARC/INFO

DIG.COM: SCHULTZ, G. (PNDSCH03). SOURCE SCALE: 1:24000. FIELD QUADS.

FLORIDA NATURAL AREAS INVENTORY

07 FEB 1995

DIG.DATES: 95-01-23 RDR

PRIORITY:
THREAT:

QUAD:
2908142
2908132

MARGNUM:
30
4

SBR.OPT10:
D
D

Site Basic Record
ESPANOLA CEMETERYIdentifiers:

ID: COUNTER:
SITECODE: S.USFLHP * 6144
SITENAME: ESPANOLA CEMETERY

SITE.CLASS: SS OLDPCODE:

SITEALIAS: FLAGLER COUNTY PNA #11

MCSITECODE: MCSITENAME:

MGSITECODE: MGSITENAME:

SITE.RELATIONS:

DEFINING.MANAME:

Locators:

NATION: US STATE: FL SITERESP:
COUNTYCODE: COUNTYNAME LOCALJURIS:
FLFLAG Flagler

.DNAME: QUADCODE:
BUNNELL 2908143
ESPANOLA 2908153

LAT: 292929N S: N E: W
LONG: 0811918W N: N W: W

TOWNRANGE: SECTION:

011S029E 35-36
011S030E 31
012S029E 1-2,11-12
012S030E 5-7

MERIDIAN:

TA
TA
TA
TA

TRSNOTE:

DIRECTIONS: From US 1 in Bunnell, go W on SR 100 ca. 5 miles to bridge
right before SR 205. EO is N of road.

WATERSHED:

Site Description:

SITEDESC: A large baygall covered ca. 0.5 sq. mi in the center of the
site and was bounded on the W by a long narrow basin swamp.
The remainder of the site was mainly wet flatwoods and pine
plantations. The baygall had a dense canopy dominated by
Gordonia lasianthus, Magnolia virginiana, and Nyssa biflora.
The basin swamp was dominated Taxodium ascendens, Acer
rubrum, and Nyssa biflora. A small creek ran S towards SR
100. Pine plantations and cleared agricultural fields
dominate the surrounding areas. Active logging was noted on

1994-07-15.

KEY.ENVIRO.FACTORS:

Basin subject to seasonal flooding.

MINELEV: 25

MAXELEV:

CLIMATEDESC:

LANDUSE.HISTORY: Historic timber cutting in swamp.

CULTURAL.FEATURES:

Site Design:

SITEMAP: P MAPDATE: 94-11-23

DESIGNER: Schultz, G.E.

BOUNDJUST: Primary and secondary ecological boundaries based on aerial photo interpretation and limited ground truthing of natural communities.

PRISEC.ACRES: PRIMARY.ACRES: TL.ACRES: 3,069.00

SITECOM: Boundaries of this site somewhat similar to SBR*514 - Tiger Bay.

Site Significance:

OLDRATING:

RATINGCOM:

BIODIVSIG: B4

BIODIVCOM: Basin was of significant size and the baygall was in good condition.

OTHERVALUES: V3

OTHERVALUCOM: Ecological value moderate as aquifer recharge area and wildlife habitat.

PROTURGENCY: P3

PROTURGCOM: Most of uplands surrounding swamp have already been converted to large agricultural fields or pine plantations. Cypress timber in basin approaching adequate size for logging.

MGMTURGENCY: M4

MGMTURGCOM: Prevent logging operations from entering wetland system.

Real Estate and Protection:

CONSINTENT:

NUMTRACTS:

ESTPROTCOST:

DESIG.CODE: DESIGNATION:

PROTCOM:

Stewardship:

LANDUSECOM: Swamp had some old stumps but appeared undisturbed in recent years. Active logging of pines was taking place in the flatwoods.

NATHAZCOM:

EXOTICCOM: None observed.

OFFSITE: Large agricultural fields to the W were drained by ditches into the swamp. Chemical runoff from these fields could affect site vitality.

INFONEEDS: Need to study effects of drainage on site hydrology.

MGMTNEEDS: Drainage needs to be regulated to prevent degradation of site. Flatwoods need to be restored by prescribed burning and thinning of planted pines.

MACOM:

Element Occurrence Information:

ELCODE:	SNAME:	SCOMNAME:	GRANK:	SRANK:
PDAST4NOA0	HELIANTHUS CARNOSUS	LAKE-SIDE SUNFLOWER	G1G2	S1S2
CPK0000000	BASIN SWAMP		G4?	S3
CPS0000000	BAYGALL		G4?	S4?

Additional Topics:

TL.TOPICS:

TOPIC.KEYWORDS:

References:

SOURCECODE: CITATION:
PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

IMAGERY.COM: FDOT B&W 93-2-18: PD4116-6-18 and 7A-05.

Record Maintenance:

LEADRESP:

EDITION: 94-11-28. EDAUTHOR: Schultz, G.E.

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-02-01	49
USFLHP	VVG	95-01-31	4/12/13/26/34/40/43/58/59/
USFLHP	VVG	94-12-16	COPY

MANUAL.FILE.NOTE:

Optional Fields:

CONTRACT:

C-SCODE:

DIG.METHOD: ARC/INFO

FLORIDA NATURAL AREAS INVENTORY

07 FEB 1995

DIG.COM: SCHULTZ, G. (PNDSCH03). SOURCE SCALE: 1:24000. FIELD QUADS.

DIG.DATES: 95-01-23 RDR

PRIORITY:
THREAT:

QUAD:
2908143
2908153

MARGNUM:
20
20

SBR.OPT10:
D
D

Site Basic Record
ESPANOLA EAST SWAMPIdentifiers:

ID: COUNTER:
SITECODE: S.USFLHP * 6152
SITENAME: ESPANOLA EAST SWAMP

SITE.CLASS: SS OLDPCODE:

SITEALIAS: FLAGLER COUNTY PNA #27

MCSITECODE: MCSITENAME:

MGSITECODE: MGSITENAME:

SITE.RELATIONS:

DEFINING.MANAME:

Locators:

NATION: US STATE: FL SITERESP:
COUNTYCODE: COUNTYNAME LOCALJURIS:
FLFLAG Flagler

DNAME: QUADCODE:
BUNNELL 2908143
ESPANOLA 2908153

LAT: 292955N S: N E: W
LONG: 0811658W N: N W: W

TOWNRANGE: SECTION:
012S030E 4
011S030E 33-32

MERIDIAN:
TA
TA

TRSNOTE:

DIRECTIONS: From US 1 in Bunnell, go NW on SR 13 ca. 0.8 miles. Turn NE and go 0.5 mile on the limerock road passing the Flagler County Agricultural Extension Office. Turn N and go 0.1 mile on a dirt road next to an abandoned sawmill. Park here and walk ca. 0.2 mile NW along an old overgrown logging road to the site. For the S end of the site, go NW on SR 13 ca. 1.2 miles (pass the limerock road to the Flagler County Agricultural Extension Office) from US 1 in Bunnell. Park on the N side of the road and walk N into the site.

WATERSHED:

Site Description:

DESC: Two basin swamps covering ca. 120 and 90 acres with diverse species composition in dense canopy. They were separated by ca. 0.4 mi and connected by a very narrow strand. Dominant species were Taxodium ascendens, Nyssa biflora, Acer rubrum,

Magnolia virginiana, Fraxinus profunda, Ilex cassine, Lyonia lucida, Myrica cerifera, Sarurus cernuus, Blechnum serrulatum, and Osmunda regalis. Drier ground surrounding swamp planted with pines.

KEY.ENVIRO.FACTORS:

Basin subject to seasonal flooding.

MINELEV: 25 MAXELEV: 30

CLIMATEDESC:

LANDUSE.HISTORY: Historic timber cutting in swamp.

CULTURAL.FEATURES:

Site Design:

SITEMAP: P MAPDATE: 94-11-23

DESIGNER: Schultz, G.E.

BOUNDJUST: Primary and secondary ecological boundaries based on aerial photo interpretation and limited ground truthing of natural communities.

PRISEC.ACRES: PRIMARY.ACRES: TL.ACRES: 894.00
SITECOM:

Site Significance:

OLDRATING:

RATINGCOM:

BIODIVSIG: B4

BIODIVCOM: Basin swamp was of good condition and had a large diversity of tree species.

OTHEVALUES: V3

OTHEVALUCOM: Ecological value moderate as aquifer recharge area and wildlife habitat.

PROTURGENCY: P3

PROTURGCOM: Most of uplands surrounding swamp have already been converted to pine plantations. Timber in basin approaching adequate size for logging.

MGMTURGENCY: M4

MGMTURGCOM: Prevent logging operations from entering wetland system.

Real Estate and Protection:

CONSINTENT:

NUMTRACTS: ESTPROTCOST:

DESIG.CODE: DESIGNATION:

PROTCOM:

Stewardship:

NDUSECOM: Swamp had numerous old stumps but appeared undisturbed in recent years. An old road and borrow pond cut through swamp in SE4 of Sec. 33. Most of uplands surrounding swamps have been converted to pine plantations.

NATHAZCOM:

EXOTICCOM: None observed.

OFFSITE: Cypress sawmill and Flagler County recreational park on SE edge. High voltage power transmission line bordered the NE side of the site. Railroad track and grade to E separate site from Pringle Swamp (FLAG16). Surrounding lands dominated by pine plantations.

INFONEEDS:

MGMTNEEDS:

MACOM:

Element Occurrence Information:

ELCODE: SNAME:
CPK0000000 BASIN SWAMP

SCOMNAME:

GRANK: SRANK:
G4? S3

Additional Topics:

TL.TOPICS:

TOPIC.KEYWORDS:

References:

SOURCECODE: CITATION:
PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

IMAGERY.COM: FDOT B&W 93-2-18: PD4116-8-15 to 16.

Record Maintenance:

LEADRESP:
EDITION: 94-11-28. EDAUTHOR: Schultz, G.E.

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-31	4/12/13/34/35/40/43/49/58/
USFLHP	VVG	94-12-16	COPY

MANUAL.FILE.NOTE:

Optional Fields:

CONTRACT:

CSISCODE:

1 .METHOD: ARC/INFO

DIG.COM: SCHULTZ, G. (PNDSCH03). SOURCE SCALE: 1:24000. FIELD QUADS.

FLORIDA NATURAL AREAS INVENTORY

07 FEB 1995

DIG.DATES: 95-01-23 RDR

PRIORITY:
THREAT:

QUAD:
2908143
2908153

MARGNUM:
16
16

SBR.OPT10:
D
D

Site Basic Record
GORE LAKEIdentifiers:

ID: COUNTER:
SITECODE: S.USFLHP * 6149
SITENAME: GORE LAKE

SITE.CLASS: SS OLDPCODE:

SITEALIAS: FLAGLER COUNTY PNA #20

MCSITECODE: MCSITENAME:

MGSITECODE: MGSITENAME:

SITE.RELATIONS:

DEFINING.MANAME:

Locators:

NATION: US STATE: FL SITERESP:
COUNTYCODE: COUNTYNAME LOCALJURIS:
FLFLAG Flagler

DNAME: QUADCODE:
FLAGLER BEACH WEST 2908142

LAT: 292740N S: N E: W
LONG: 0811206W N: N W: W
TOWNRANGE: SECTION:
012S031E 7,16-18

MERIDIAN:
TA

TRSNOTE:

DIRECTIONS: From US 1 in Bunnell, go E on SR 100 ca. 2.5 miles to Belle Terre Blvd. Turn S and go ca. 1.1 miles. Site is E of road.

WATERSHED:

Site Description:

SITEDESC: Flagler County Airport was in center of site, basin marsh and lake to W, and fair quality flatwoods to E. Very small scrub remnants were along the W edge of the airport. Gore Lake (marsh lake) was in good condition with open water covering ca. 85 acres. Lake water was clear but tannic. The shoreline was undisturbed except for two sandy boat launch areas: one on the W side which was open to the public and one on the E side of limited access through the airport. No vegetation was observed more than 20' from shore. Dense woody vegetation along the lakeshore included Myrica cerifera, Acer rubrum, and Salix caroliniana. The N and S ends of the lake were Cladium jamaicense marsh being invaded by hardwoods like Acer rubrum, Salix caroliniana, Myrica

cerifera, *Cephalanthus occidentalis*, and *Pinus elliottii*. Most of the flatwoods overgrown with *Serenoa repens* and had little open ground for herbaceous species. Some of the flatwoods had been converted to pine plantation. A canal drains the E side of the airport runways to a large canal bordering the S end of the site. Another large canal borders the E side of the site. Residential subdivision on W and S sides.

KEY. ENVIRO. FACTORS:

MINELEV: 22 MAXELEV: 30

CLIMATEDESC:

LANDUSE.HISTORY: A few grassy jeep trails cross the site. Some of the flatwoods had been converted to pine plantation. A canal drains the E side of the airport runways to a large canal bordering the S end of the site. Another large canal borders the E side of the site.

CULTURAL.FEATURES:

Site Design:

SITEMAP: P MAPDATE: 94-11-23
DESIGNER: Schultz, G.E.
BOUNDJUST: Primary and secondary ecological boundaries based on aerial photo interpretation and limited ground truthing of natural communities.

PRISEC.ACRES: PRIMARY.ACRES: TL.ACRES: 1,140.00
SITECOM:

Site Significance:

OLDRATING:
RATINGCOM:

BIODIVSIG: B5
BIODIVCOM: No high ranked elements present.

OTHERVALUES: V2
OTHERVALUCOM: Open space in area undergoing rapid residential development.

PROTURGENCY: P4
PROTURGCOM:

MGMTURGENCY: M4
MGMTURGCOM: Prescribed burning needed to increase herbaceous diversity of flatwoods and maintain herbaceous nature of marsh.

Real Estate and Protection:

CONSINTENT:

NUMTRACTS: ESTPROTCOST:

DESIG.CODE: DESIGNATION:

PROTCOM:

Stewardship:

LANDUSECOM: Site functions as airport buffer lands. Lake frequently used by jet ski enthusiasts. The few grassy jeep trails that cross the E part of the site were gated and locked. Some of the flatwoods had been converted to pine plantation. A canal drains the E side of the airport runways to a large canal bordering the S end of the site. Another large canal borders the E side of the site.

NATHAZCOM:

EXOTICCOM: None observed.

OFFSITE: Flagler County Airport bordered N side of site. Residential development on N, S and E sides. Pine plantations dominate land use to the S where it has not yet been platted with roads. I-95 and interchange at SR 100 was less than one mile to the E. Black Branch Swamp (part of Black Branch SBR) was 1000' to the W and separated from this site by a three block wide strip of residential subdivision.

INFONEEDS: Thorough field survey for rare species like Helianthus carnosus.

MGMTNEEDS: Enhancement of flatwoods and marsh by initiating a regular prescribed burning regime.

MACOM:

Element Occurrence Information:

ELCODE:	SNAME:	SCOMNAME:	GRANK:	SRANK:
CPL0000000	BASIN MARSH		G?	S4?
CLB0000000	MARSH LAKE		G4	S4

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

References:

SOURCECODE: CITATION:
PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

IMAGERY.COM: FDOT B&W 93-2-18: PD4116-10-14.

Record Maintenance:

LEADRESP:

EDITION: 94-11-28. EDAUTHOR: Schultz, G.E.

Maintenance History:

OFFICE: INITIALS: CHANGE.DATE: CHANGE.FIELDS:

FLORIDA NATURAL AREAS INVENTORY

07 FEB 1995

USFLHP	VVG	95-01-31	4/12/13/34/35/40/58/59/73/
USFLHP	VVG	94-12-16	COPY

MANUAL.FILE.NOTE:

Optional Fields:

CONTRACT:

CSISCODE:

DIG.METHOD: ARC/INFO

DIG.COM: SCHULTZ, G. (PNDSCH03). SOURCE SCALE: 1:24000. FIELD QUADS.

DIG.DATES: 95-01-23 RDR

PRIORITY:

THREAT:

QUAD:
2908142

MARGNUM:
31

SBR.OPT10:
D

Site Basic Record
HAW CREEKIdentifiers:

ID: COUNTER:
SITECODE: S.USFLHP * 6139
SITENAME: HAW CREEK

SITE.CLASS: MC OLDCODE:

SITEALIAS: FLAGLER COUNTY PNA #1
VOLUSIA COUNTY PNA #8

MCSITECODE: MCSITENAME:

MGSITECODE: MGSITENAME:

SITE.RELATIONS:

DEFINING.MANAME:

Locators:

NATION: US STATE: FL SITERESP: LOCALJURIS:
COUNTYCODE: COUNTYNAME
FLFLAG Flagler
FLVOLU Volusia
FLPUTN Putnam

QUADNAME:	QUADCODE:
ST. JOHNS PARK	2908144
SAN MATEO	2908155
DINNER ISLAND	2908154
BUNNELL	2908143
SEVILLE	2908134
CODYS CORNER	2908133

LAT: 292323N S: N E: W
LONG: 0812453W N: N W: W

TOWNRANGE: SECTION:

012S029E	25,31,32,36
011S028E	18-19, 29-30, 32-33
012S028E	3-4, 9-12, 16, 22-27, 36-42, 45
013S028E	1, 9-16, 21-26,35-38
013S029E	3-10, 15-22, 27-34
014S029E	4-9, 18

MERIDIAN:

TA
TA
TA
TA
TA
TA

TRSNOTE:

DIRECTIONS: From Bunnell, go W on SR 100 ca. 7 miles to CR 305. Turn S and go ca. 4 miles to CR 2006. Turn W and go ca. 3.9 miles until the road ends at the Bull Creek Fish Camp. The site is N and S of the road.

WATERSHED:

Site Description:

SITEDESC: This site covered the E shoreline of Crescent Lake in Flagler Co. from the Putnam Co. line near SR 100, S to the Volusia Co. line. Also included were the large floodplain swamp and basin marsh system at the S end of the lake in Volusia Co., the floodplain along Haw Creek E to CR 305, and the floodplain and nearby flatwoods along Little Haw Creek S to the N and W sides of Lake Disston. Most of floodplain swamp, basin marsh, and hydric hammock system along the E and S ends of Crescent Lake were of very high quality. Dominate species of vegetation were large Taxodium ascendens, Nyssa biflora, Acer rubrum, Fraxinus caroliniana, Ulmus americana, Liquidambar styraciflua, Sabal palmetto, et al., and Cladium jamaicense in the marshes. The SE part of the site had areas of mesic and wet flatwoods of fair quality.

KEY. ENVIRO. FACTORS:

Basin subject to seasonal flooding.

MINELEV: 0 MAXELEV: 60

CLIMATEDESC:

LANDUSE.HISTORY: Timber cutting and cattle ranching.

CULTURAL.FEATURES:

Site Design:

SITEMAP: P MAPDATE: 94-11-23
DESIGNER: Schultz, G.E.
BOUNDJUST: Primary and secondary ecological boundaries based on aerial photo interpretation and limited ground truthing of natural communities.

PRISEC.ACRES: PRIMARY.ACRES: TL.ACRES: 31,531.00
SITECOM:

Site Significance:

OLDRATING:

RATINGCOM:

BIODIVSIG: B2
BIODIVCOM: Basin included outstanding occurrences of floodplain swamp and basin marsh.

OTHERVALUES: V1
OTHERVALUCOM: Part of site already protected as Haw Creek State Preserve.

PROTURGENCY: P2
PROTURGCOM: Area not already protected State of Florida or SJRWMD threatened logging operations.

MGMTURGENCY: M4
MGMTURGCOM: Prescribed burning will be needed in the future.

al Estate and Protection:
NSINTENT:

NUMTRACTS: ESTPROTCOST:
DESIG.CODE: DESIGNATION:

PROTCOM:

Stewardship:

LANDUSECOM: Logging and cattle ranching. Fishing in lakes and streams.
Swamp had some old stumps but appeared undisturbed in recent
years. Planted pines dominate some outlying areas.

NATHAZCOM:

EXOTICCOM: None observed.

OFFSITE: Pine plantations and cattle ranching. Fishing in lakes. Bull
Creek Fish Camp appeared to be the only developed area on
Dead Lake. The small village of St. Johns Park lies
immediately E on slightly higher ground.

INFONEEDS: Need to preform detailed inventory of site to discover other
possible EOs. (Helianthus carnosus is known to occur along
SR 100 very near N end of site.)

MGMTNEEDS: Fencing of some areas to restrict use, prescribed burning,
etc.

MACOM: Haw Creek State Preserve and adjacent lands recently
purchased by SJRWMD are contained within site boundaries.

Element Occurrence Information:

ELCODE:	SNAME:	SCOMNAME:	GRANK:	SRANK:
ARAAF01030	GOPHERUS POLYPHEMUS	GOPHER TORTOISE	G3	S3
ABNKC10010	HALIAEETUS LEUCOCEPHALUS	BALD EAGLE	G3	S2S3
PDLAM1N060	PYCNANTHEMUM FLORIDANUM	FLORIDA MOUNTAIN-MINT	G3	S3
CPL0000000	BASIN MARSH		G?	S4?
CPK0000000	BASIN SWAMP		G4?	S3
CRC0000000	BLACKWATER STREAM		G4	S2
CPC0000000	FLOODPLAIN SWAMP		G?	S4?
CPC0000000	FLOODPLAIN SWAMP		G?	S4?
CPC0000000	FLOODPLAIN SWAMP		G?	S4?
CPU0000000	HYDRIC HAMMOCK		G?	S4?
CPU0000000	HYDRIC HAMMOCK		G?	S4?
CTE0000000	MESIC FLATWOODS		G?	S4
CPN0000000	WET FLATWOODS		G?	S4?
CTC0000000	XERIC HAMMOCK		G?	S3

Additional Topics:

AL.TOPICS:

TOPIC.KEYWORDS:

References:

SOURCECODE: CITATION:

PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

IMAGERY.COM: FDOT B&W 93-2-18: PD4116-1-07, 2-01 to 2-07, 3-01 to 3-07,
4-03 to 4-11, and 5-05 to 5-11.Record Maintenance:

LEADRESP:

EDITION: 94-11-28. EDAUTHOR: Schultz, G.E.

Maintenance History:

OFFICE: INITIALS: CHANGE.DATE: CHANGE.FIELDS:

USFLHP	LPP	95-02-03	9
USFLHP	VVG	95-02-01	58/59/60
USFLHP	VVG	95-01-31	4/12/13/34/35/40/43/58/59/
USFLHP	VVG	94-12-16	COPY

MANUAL.FILE.NOTE:Optional Fields:

CONTRACT:

CSISCODE:

DIG.METHOD: ARC/INFO

DIG.COM: SCHULTZ, G. (PNDSCH03). SOURCE SCALE: 1:24000. FIELD QUADS.

DIG.DATES: 95-01-23 RDR

PRIORITY:

THREAT:

QUAD:	MARGNUM:	SBR.OPT10:
2908144	25	D
2908155	8	D
2908154	6	D
2908143	19	D
2908134	22	D
2908133	14	D

Site Basic Record
HULETT BRANCHIdentifiers:

ID: COUNTER:
SITECODE: S.USFLHP * 6148
SITENAME: HULETT BRANCH

SITE.CLASS: SS OLD CODE:

SITEALIAS: FLAGLER COUNTY PNA #17

MCSITECODE: MCSITENAME:

MGSITECODE: MGSITENAME:

SITE.RELATIONS:

DEFINING.MANAME:

Locators:

NATION: US STATE: FL SITERESP:
COUNTYCODE: COUNTYNAME LOCALJURIS:
FLFLAG Flagler

DNAME: QUADCODE:
ESPANOLA 2908153
DINNER ISLAND NE 2908163

LAT: 293725N S: N E: W
LONG: 0811650W N: N W: W

TOWNRANGE: SECTION:
010S030E 21

MERIDIAN:
TA

TRSNOTE:

DIRECTIONS: From Pellicer Creek at the county line, go S on US 1 ca. 2.0
mi. EO is on E and W sides of US 1.

WATERSHED:

Site Description:

SITEDESC: Mesic flatwoods in good but unburned condition. US 1 divided
the site into two similar E and W parts of ca. 80 and 40
acres, respectively. The 50% canopy cover was dominated by
an even mixture of *Pinus palustris* and *P. elliotii* of
various ages with the largest ca. 12" (18" maximum) DBH and
40-50' tall. Dense *Serenoa repens* (90% cover, 3-7' tall)
grew below and had widely scattered openings. The lack of
fire limited herbaceous diversity with *Aristida* sp. and
Pteridium aquilinum dominating. A thick layer of pine
needles covered the ground. Few seedling *P. palustris* were
observed.

KEY. ENVIRO. FACTORS:

MINELEV: 25 MAXELEV:

CLIMATEDESC:

LANDUSE.HISTORY: A few grassy jeep trails cross the site but no signs of significant disturbance. No pine stumps were observed.

CULTURAL.FEATURES:

Site Design:

SITEMAP: P MAPDATE: 94-11-23

DESIGNER: Schultz, G.E.

BOUNDJUST: Primary and secondary ecological boundaries based on aerial photo interpretation and limited ground truthing of natural communities.

PRISEC.ACRES: PRIMARY.ACRES: TL.ACRES: 152.00
SITECOM:

Site Significance:

OLDRATING:

RATINGCOM:

BIODIVSIG: B4

BIODIVCOM: Flatwoods appeared to be in good condition but need to be burned.

OTHERVALUES: V4

OTHERVALUCOM:

PROTURGENCY: P2

PROTURGCOM: Rapidly developing West Palm Coast residential subdivision is adjacent to the south side of the site on the east side of US 1. The high and dry land of the site have high development potential.

MGMTURGENCY: M2

MGMTURGCOM: Prescribed burning needed to increase herbaceous diversity of flatwoods.

Real Estate and Protection:

CONSINTENT:

NUMTRACTS: ESTPROTCOST:

DESIG.CODE: DESIGNATION:

PROTCOM:

Stewardship:

LANDUSECOM: Land currently appears unused. No fences were seen on site.

THAZCOM:

EXOTICCOM: None observed.

OFFSITE: Planted pine plantations surround the site on three sides. West Palm Coast residential subdivision is adjacent to the south side of the site on the east side of US 1. US 1 divided the site into two similar parts. The proximity of the subdivision and highway could make prescribed burning difficult.

INFONEEDS:

MGMTNEEDS: Flatwoods need to be enhanced by initiating a regular prescribed burning regime.

MACOM:

Element Occurrence Information:

ELCODE: SNAME:
CTE0000000 MESIC FLATWOODS

SCOMNAME:

GRANK: SRANK:
G? S4

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

References:

SOURCECODE: CITATION:
PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

IMAGERY.COM: FDOT B&W 93-2-18: PD4116-8-23.

Record Maintenance:

LEADRESP:

EDITION: 94-11-28. EDAUTHOR: Schultz, G.E.

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-31	4/12/13/34/40/43/58/59/73/
USFLHP	VVG	94-12-16	COPY

MANUAL.FILE.NOTE:

Optional Fields:

CONTRACT:

CSISCODE:

DIG.METHOD: ARC/INFO

FIG.COM: SCHULTZ, G. (PNDSCH03). SOURCE SCALE: 1:24000. FIELD QUADS.

DIG.DATES: 95-01-23 RDR

FLORIDA NATURAL AREAS INVENTORY

07 FEB 1995

PRIORITY:
THREAT:

QUAD:
2908153
2908163

MARGNUM:
17
22

SBR.OPT10:
D
D

Site Basic Record
LAKE DISSTONIdentifiers:

ID: COUNTER:
SITECODE: S.USFLHP * 6151
SITENAME: LAKE DISSTON

SITE.CLASS: SS OLDCODE:

SITEALIAS: FLAGLER COUNTY PNA #25

MCSITECODE: MCSITENAME:

MGSITECODE: MGSITENAME:

SITE.RELATIONS:

DEFINING.MANAME:

Locators:

NATION: US STATE: FL SITERESP:
 COUNTYCODE: COUNTYNAME LOCALJURIS:
 FLFLAG Flagler
 FLVOLU Volusia

QUADNAME: QUADCODE:
SEVILLE 2908134
PIERSON 2908124

 LAT: 291509N S: N E: W
 LONG: 0812348W N: N W: W

TOWNRANGE: SECTION: MERIDIAN:
014S029E 20,21,29-30 TA

TRSNOTE:

DIRECTIONS: Must have 4WD vehicle. From US 17 in Barberville, go E on SR 40 at ca. 3.3 miles to graded dirt road on N side. Turn N and follow this rough and sometimes muddy road (Truck Trail #11) ca. 4.0 miles (passing fern nursery on W side) to the end at a 3-way intersection. Turn W and follow the jeep trail along the county line for ca. 1.0 mi to end. Park here at NW corner of SJRWMD land, cross ditch and fence, then walk W along dirt road ca. 0.5 mi to swamp. Site is N and S of this road.

WATERSHED:

Site Description:

SITEDESC: Floodplain swamp (covering more than 200 acres) and baygall draining into the S end of Lake Disston. Connects with baygalls to the S (VLU09). High plant species diversity in swamp with many large trees (average 12", many ≤20" DBH).

Dominant species were *Nyssa biflora*, *Taxodium ascendens*, *Gordonia lasianthus*, *Magnolia virginiana*, *Lyonia lucida*, *Blechnum serrulatum*, and *Osmunda cinnamomea*. Water flowed N through culverts under road crossing swamp along county line. Few old stumps observed. No sign of recent disturbance in swamp. Cattle pasture and planted pines border the swamp. Fern nurseries were to the SW and SE of the site. A 20' wide canal was on the S side of the road and a perpendicular canal ran S through the swamp for ca. 200' at the main culverts. These canals were overgrown with vegetation like *Saururus cernuus* and *Nymphaea odorata*. Pine plantations and cattle pastures dominated surrounding uplands.

KEY. ENVIRO. FACTORS:

Basin subject to seasonal flooding.

MINELEV: 15

MAXELEV: 40

CLIMATEDESC:

LANDUSE.HISTORY: Historic timber cutting in swamp. Pine plantations and cattle pastures dominated upland areas.

CULTURAL.FEATURES:

Site Design:

SITEMAP: P MAPDATE: 94-11-23

DESIGNER: Schultz, G.E.

BOUNDJUST: Primary and secondary ecological boundaries based on aerial photo interpretation and limited ground truthing of natural communities.

PRISEC.ACRES:

PRIMARY.ACRES:

TL.ACRES: 1,086.00

SITECOM:

Site Significance:

OLDRATING:

RATINGCOM:

BIODIVSIG: B4

BIODIVCOM: Good quality floodplain swamp.

OTHERVALUES: V3

OTHERVALUCOM: Ecological value high as wildlife corridor and habitat.

PROTURGENCY: P3

PROTURGCOM: Owner seems to be protecting swamp.

MGMTURGENCY: M4

MGMTURGCOM: Future management should work towards increasing the size and quality of natural buffer along floodplain swamp.

Real Estate and Protection:

CONSINTENT:

NUMTRACTS:

ESTPROTCOST:

DESIG.CODE: DESIGNATION:

PROTCOM:

Stewardship:

LANDUSECOM: Cattle pasture and planted pines border the swamp.

NATHAZCOM:

EXOTICCOM: None observed.

OFFSITE: Pine plantations and cattle pastures dominated surrounding areas. Large fern nurseries were to the SW and SE of the site.

INFONEEDS: More thorough field survey of site to inventory elements present.

MGMTNEEDS: Future management should work towards increasing the size and quality of natural buffer around floodplain swamp and baygall.

MACOM:

Element Occurrence Information:ET.CODE: SNAME:
0000000 FLOODPLAIN SWAMP

SCOMNAME:

GRANK: SRANK:
G? S4?Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

References:

SOURCECODE: CITATION:

PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

IMAGERY.COM: FDOT B&W 93-2-19: PD4116-4-02.

Record Maintenance:

LEADRESP:

EDITION: 94-11-28. EDAUTHOR: Schultz, G.E.

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	LPP	95-02-03	9
USFLHP	VVG	95-01-31	2/4/12/13/34/35/40/43/49/5
USFLHP	VVG	94-12-16	COPY

MANUAL.FILE.NOTE:

Optional Fields:

CTRACT:

FLORIDA NATURAL AREAS INVENTORY

07 FEB 1995

CSISCODE:

DIG.METHOD: ARC/INFO

DIG.COM: SCHULTZ, G. (PNDSCH03). SOURCE SCALE: 1:24000. FIELD QUADS.

DIG.DATES: 95-01-19 RDR

PRIORITY:

THREAT:

QUAD:

2908134

2908124

MARGNUM:

21

37

SBR.OPT10:

D

D

Site Basic Record
MIDDLE HAW CREEKIdentifiers:

ID: COUNTER:
SITECODE: S.USFLHP * 6143
SITENAME: MIDDLE HAW CREEK

SITE.CLASS: SS OLDCODE:

SITEALIAS: FLAGLER COUNTY PNA #10

 MCSITECODE: MCSITENAME:

 MGSITECODE: MGSITENAME:

SITE.RELATIONS:

DEFINING.MANAME:

Locators:

NATION: US STATE: FL SITERESP:
 COUNTYCODE: COUNTYNAME LOCALJURIS:
 FLFLAG Flagler

DNAME: QUADCODE:
BUNNELL 2908143
CODYS CORNER 2908133

 LAT: 292234N S: N E: W
 LONG: 0811925W N: N W: W

TOWNRANGE: SECTION: MERIDIAN:
013S030E 7,18-21,28-33 TA
013S029E 11-14,24,37 TA

TRSNOTE:

DIRECTIONS: From Bunnell, go S on US 1 ca. 3.5 mi to CR 304. Turn SW and go 7 mi to the Middle Haw Creek bridge. The site is on both sides of the road.

WATERSHED:

Site Description:

SITEDESC: This site formed part of Haw Creek's headwaters. It encompassed the creek floodplain swamp for several miles, some hydric hammock on its sides, and wet flatwoods on adjacent lands. Parts of the narrow floodplain swamp between CR 305 and just SE of CR304 were cleared and utilized as cattle pasture. The creek appeared channelized and deepened by the bridges. The swamp was dominated by Taxodium ascendens, Nyssa biflora, Fraxinus caroliniana, Sabal palmetto, and Myrica cerifera. The center of Section 29 appeared to be in good condition during the aerial survey

but was not ground checked. Pine plantations and cattle pastures dominated surrounding uplands.

KEY.ENVIRO.FACTORS:

Basin subject to seasonal flooding.

MINELEV: 10 MAXELEV: 20

CLIMATEDESC:

LANDUSE.HISTORY: Historic timber cutting in swamp and in flatwoods.
Pine plantations dominated upland areas.

CULTURAL.FEATURES:

Site Design:

SITEMAP: P MAPDATE: 94-11-23

DESIGNER: Schultz, G.E.

BOUNDJUST: Primary and secondary ecological boundaries based on aerial photo interpretation and limited ground truthing of natural communities.

PRISEC.ACRES: PRIMARY.ACRES: TL.ACRES: 5,921.00
SITECOM: Boundaries of this site overlap slightly with SBR*514 -
Tiger Bay.

Site Significance:

OLDRATING:

RATINGCOM:

BIODIVSIG: B5
BIODIVCOM: Significant as part of Haw Creek system.

OTHEVALUES: V3
OTHEVALUCOM: Ecological value high as wildlife corridor.

PROTURGENCY: P4
PROTURGCOM: Pine plantations already dominated upland areas.

MGMTURGENCY: M4
MGMTURGCOM: Future management should work towards increasing the size and quality of natural buffer along floodplain swamp.

Real Estate and Protection:

CONSINTENT:

NUMTRACTS: ESTPROTCOST:

DESIG.CODE: DESIGNATION:

PROTCOM:

Stewardship:

LANDUSECOM: Floodplain swamp had numerous old stumps. Pine plantations dominated uplands. Cattle grazing disturbed groundcover in

some areas.

THAZCOM:

EXOTICCOM: None observed.

OFFSITE: Pine plantations and cattle pastures dominated surrounding areas. High voltage power transmission line borders E edge of site.

INFONEEDS: Baseline monitoring of water quality in creek.

MGMTNEEDS: Fences to keep cattle out of creek.

MACOM:

Element Occurrence Information:

ELCODE:	SNAME:	SCOMNAME:	GRANK:	SRANK:
CPC0000000	FLOODPLAIN SWAMP		G?	S4?
CPU0000000	HYDRIC HAMMOCK		G?	S4?
CPN0000000	WET FLATWOODS		G?	S4?

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

References:

SOURCECODE: CITATION:

PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

IMAGERY.COM: FDOT B&W 93-2-18: PD4116-6-10, 7-07 to 7-09, 8-05 to 8-07.

Record Maintenance:

LEADRESP:

EDITION: 94-11-28. EDAUTHOR: Schultz, G.E.

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-02-01	49
USFLHP	VVG	95-01-31	4/12/13/26/34/35/40/43/58/
USFLHP	VVG	94-12-16	COPY

MANUAL.FILE.NOTE:

Optional Fields:

CONTRACT:

CSISCODE:

DIG.METHOD: ARC/INFO

FILE.COM: SCHULTZ, G. (PNDSCH03). SOURCE SCALE: 1:24000. FIELD QUADS.

DIG.DATES: 95-01-20 RDR

FLORIDA NATURAL AREAS INVENTORY

07 FEB 1995

PRIORITY:

THREAT:

QUAD:

2908143

2908133

MARGNUM:

21

15

SBR.OPT10:

D

D

Site Basic Record
PRINGLE SWAMPIdentifiers:

ID: COUNTER:
SITECODE: S.USFLHP * 6147
SITENAME: PRINGLE SWAMP

SITE.CLASS: SS OLDPCODE:

SITEALIAS: FLAGLER COUNTY PNA #16

MCSITECODE: MCSITENAME:

MGSITECODE: MGSITENAME:

SITE.RELATIONS:

DEFINING.MANAME:

Locators:

NATION: US STATE: FL SITERESP:
COUNTYCODE: COUNTYNAME LOCALJURIS:
FLFLAG Flagler

DNAME: QUADCODE:
ESPANOLA 2908153
BUNNELL 2908143

LAT: 293243N S: N E: W
LONG: 0811632W N: N W: W

TOWNRANGE: SECTION: MERIDIAN:
011S030E 16 TA
010S030E 19-20,29-33 TA
011S030E 4-5,8-10,15,17,21-22,27-28,33-34 TA

TRSNOTE:

DIRECTIONS: From SR 13 in Bunnell, go N on US 1 ca. 5 miles. Turn W on the paved Hargrove Grade. Go 0.5 mile and turn S onto a dirt road and go 0.4 mile. Continue S on jeep trail another 0.25 mile. Park here and walk SW ca. 0.2 mile to basin swamp. For Section 16 NW1/4, go W 1 mile on Hargrove Grade, cross railroad tracks, and continue 0.25 mile on dirt road. Site is on N and S sides of road.

WATERSHED:

Site Description:

SITEDESC: The core of the site was a seven mi. long (N-S) and one mi. or less wide (E-W) basin swamp with good canopy cover and large trees. Surrounding the swamp were areas of flatwoods and planted pines. The part of the swamp in Sec. 16 SE4 was in good condition and had many large Taxodium ascendens

(≤24" DBH), *Nyssa biflora*, *Pinus elliottii*, *Acer rubrum*, *Persea palustris*, and *Gordonia lasianthus*; and a groundcover with abundant *Osmunda cinnamomea*, *O. regalis*, and *Blechnum serrulatum*. Wet flatwoods in fair condition were intermixed with mesic flatwoods at the S end of the site. Dominant species were *Pinus elliottii* of many different ages, *Amphicarpum muhlenbergianum*, *Axonopus furcatus*, and *Aristida stricta*. A small population of *Helianthus carnosus* was observed here at the W edge of the US 1 swale. Planted pines dominated surrounding land use (with some areas clearcut). Florida Power and Light substation entrance road was 0.25 mi S of *Helianthus* population. Railroad tracks and grade run N-S through the site. US 1 borders most of the E side of the site.

KEY.ENVIRO.FACTORS:

Basin subject to seasonal flooding.

MINELEV: 30

MAXELEV: 30

CLIMATEDESC:

LANDUSE.HISTORY: Pine plantations on drier ground.

CULTURAL.FEATURES:

Site Design:

SITEMAP: P MAPDATE: 94-11-23

DESIGNER: Schultz, G.E.

BOUNDJUST: Primary and secondary ecological boundaries based on aerial photo interpretation and limited ground truthing of natural communities.

PRISEC.ACRES:

PRIMARY.ACRES:

TL.ACRES: 4,140.00

SITECOM:

Site Significance:

OLDRATING:

RATINGCOM:

BIODIVSIG: B3

BIODIVCOM: Large basin swamp in good condition and the small but viable population of *Helianthus carnosus* (G1G2S1S2).

OTHERVALUES: V3

OTHERVALUCOM: Ecological value moderate as aquifer recharge area and wildlife habitat.

PROTURGENCY: P2

PROTURGCOM: The land with the population of *Helianthus* has high development potential due to its frontage on US 1. Timber in basin of adequate size for logging.

1GMTURGENCY: M2

1GMTURGCOM: Management action such as prescribed burning will be needed to enhance the *Helianthus* population. Prevent logging

operations from entering wetland system.

Real Estate and Protection:

CONSISTENT:

NUMTRACTS:

ESTPROTCOST:

DESIG.CODE: DESIGNATION:

PROTCOM:

Stewardship:

LANDUSECOM: A railroad and grade run N-S through swamp. Most of uplands around swamp had been converted to pine plantations and some of these areas were recently clearcut.

NATHAZCOM:

EXOTICCOM: None observed.

OFFSITE: An industrial park was along Hargrove Grade in Section 16 NE 1/4 between the railroad tracks and US 1. A subdivision (part of West Palm Coast) was E of US 1. Florida Power and Light high voltage power transmission line and substation bordered the S end of the site. US 1 borders most of the E side of the site. Railroad track and grade separated site from Espanola East Swamp (FLAG27) to SW. Remaining surrounding lands dominated by pine plantations.

INFONEEDS: Need more thorough field survey for Helianthus carnosus.

MGMTNEEDS: Prescribed burning program for flatwoods. Selective thinning of planted pines.

MACOM:

Element Occurrence Information:

ELCODE:	SNAME:	SCOMNAME:	GRANK:	SRANK:
PDAST4N0A0	HELIANTHUS CARNOSUS	LAKE-SIDE SUNFLOWER	G1G2	S1S2
CPK0000000	BASIN SWAMP		G4?	S3
CPN0000000	WET FLATWOODS		G?	S4?

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

References:

SOURCECODE: CITATION:

PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

IMAGERY.COM: FDOT B&W 93-2-18: PD4116-8-16 to 8-21 and 7A-11.

Record Maintenance:

LEADRESP:

EDITION: 94-11-28. EDAUTHOR: Schultz, G.E.

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-31	4/12/13/34/35/40/43/58/59/
USFLHP	VVG	94-12-16	COPY

MANUAL.FILE.NOTE:

ational Fields:
CONTRACT:

CSISCODE:

DIG.METHOD: ARC/INFO

DIG.COM: SCHULTZ, G. (PNDSCH03). SOURCES SCALE: 1:24000. FIELD QUADS.

DIG.DATES: 95-01-23 RDR

PRIORITY:

THREAT:

QUAD:

2908153

2908143

MARGNUM:

18

18

SBR.OPT10:

D

D

Site Basic Record
TANK LAKEIdentifiers:

ID: COUNTER:
SITECODE: S.USFLHP * 6145
SITENAME: TANK LAKE

SITE.CLASS: SS OLDPCODE:

SITEALIAS: FLAGLER COUNTY PNA #12

MCSITECODE: MCSITENAME:

MGSITECODE: MGSITENAME:

SITE.RELATIONS:

DEFINING.MANAME:

Locators:

NATION: US STATE: FL SITERESP:
COUNTYCODE: COUNTYNAME LOCALJURIS:
FLFLAG Flagler

DNAME: QUADCODE:
ESPANOLA 2908153

LAT: 293153N S: N E: W
LONG: 0811949W N: N W: W

TOWNRANGE: SECTION:

011S029E 13-14,24-25
011S030E 19,30

MERIDIAN:

TA

TA

TRSNOTE:

DIRECTIONS: At SR 205 in Espanola, go NW through sometimes locked gate and follow old railroad grade for 1.3 mi. Site is on N side of grade.

WATERSHED:

Site Description:

SITEDESC: A diverse site of mature scrub, large baygall, three swamp lakes, cutover mesic flatwoods, and planted pines. Mature sand pine scrub of ca. 240 acres extended around the W, S, and E sides of Tank Lake and the W side of Black Lake. The scrub was dominated by Pinus clausa (many old trees had fallen down), Quercus geminata, Q. myrtifolia, Q. chapmanii, Lyonia ferruginea, Serenoa repens and Ceratiola ericoides. Baygall bordered the E side of the scrub and extended N from Tank Lake for more than one mile to surround Black Lake. Another baygall surrounded Speckled Perch Lake. These three blackwater swamp lakes had ca. 35, 55, and 50 acres,

respectively, of open water. The baygall was dominated by dense *Gordonia lasianthus* and some *Pinus elliottii*. The mesic flatwoods immediately surrounding the baygall in Sections 13 and 24 were clearcut in last few years but the groundcover appeared to be intact. Planted slash pines dominated the surrounding areas.

KEY.ENVIRO.FACTORS:

MINELEV: 40 MAXELEV: 59

CLIMATEDESC:

LANDUSE.HISTORY:

CULTURAL.FEATURES:

Site Design:

SITEMAP: P MAPDATE: 94-11-23

DESIGNER: Schultz, G.E.

BOUNDJUST: Primary and secondary ecological boundaries based on aerial photo interpretation and limited ground truthing of natural communities.

PRISEC.ACRES: PRIMARY.ACRES: TL.ACRES: 1,941.00
SITECOM:Site Significance:

OLDRATING:

RATINGCOM:

BIODIVSIG: B2

BIODIVCOM: Scrub was in good condition and of significant size. The rare species *Persea humilis* (G3S3) and *Lechea cernua* (G3S3) have been reported from this site.

OTHERVALUES: V2

OTHERVALUCOM: Scrub in remote area away from development .

PROTURGENCY: P3

PROTURGCOM: Scrub could be cleared for pine plantation. Current owner's intentions unknown.

MGMTURGENCY: M4

MGMTURGCOM: Scrub has not burned in many years- will probably need to be burned in not too distant future. Prevent logging operations from destroying groundcover in flatwoods.

Real Estate and Protection:

CONSINTENT:

NUMTRACTS: ESTPROTCOST:

DESIG.CODE: DESIGNATION:

OTCOM:

Stewardship:

LANDUSECOM: High voltage power transmission lines bordered the NE and SW sides of the site. A hunting camp was near the SW corner of Tank Lake and several sand roads cross the scrub. A large radio tower and associated clearing were in the scrub E of this lake. The mesic flatwoods immediately surrounding the baygall in Sections 13 and 24 were clearcut in the last few years but the groundcover appeared to remain intact. More recent logging of pines had taken place at the edge of the baygall. The SE corner of the site was planted with slash pines about 4 years old. The shorelines of the lakes appeared to be undeveloped.

NATHAZCOM:

EXOTICCOM: None observed.

OFFSITE: Large pine plantations dominated the surrounding areas. The small town of Espanola lies ca. 0.6 mi SE of the site.

INFONEEDS:

MGMTNEEDS: Scrub has not burned in many years- will probably need to be burned in not too distant future. Flatwoods need to be restored by prescribed burning and thinning of planted pines.

MACOM:

Element Occurrence Information:

ELCODE:	SNAME:	SCOMNAME:	GRANK:	SRANK:
ARAAF01030	GOPHERUS POLYPHEMUS	GOPHER TORTOISE	G3	S3
PDCIS04010	LECHEA CERNUA	NODDING PINWEED	G3	S3
PDLAU0B050	PERSEA HUMILIS	SCRUB BAY	G3	S3
CPS0000000	BAYGALL		G4?	S4?
CTA0000000	SCRUB		G2	S2
CLE0000000	SWAMP LAKE		G4	S3

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

References:

SOURCECODE: CITATION:

PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

IMAGERY.COM: FDOT B&W 93-2-18: PD4116-6-20 and 6-21.

Word Maintenance:

1 DRESP:

EDITION: 94-11-28.

EDAUTHOR: Schultz, G.E.

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-31	12/13/34/35/40/58/59/60/73
USFLHP	VVG	95-01-13	4
USFLHP	VVG	94-12-16	COPY

MANUAL.FILE.NOTE:

Optional Fields:

CONTRACT:

CSISCODE:

DIG.METHOD: ARC/INFO

DIG.COM: SCHULTZ, G. (PNDSCH03). SOURCE SCALE: 1:24000. FIELD QUADS.

DIG.DATES: 95-01-23 RDR

PRIORITY:

THREAT:

QUAD:
2908153MARGNUM:
19SBR.OPT10:
D

Site Basic Record
WHITE OAK BRANCH FLATWOODSIdentifiers:

ID: COUNTER:
SITECODE: S.USFLHP * 6140
SITENAME: WHITE OAK BRANCH FLATWOODS

SITE.CLASS: SS OLDCODE:

SITEALIAS: FLAGLER COUNTY PNA #2

 MCSITECODE: MCSITENAME:

 MGSITECODE: MGSITENAME:

SITE.RELATIONS:

DEFINING.MANAME:

Locators:

NATION: US STATE: FL SITERESP:
 COUNTYCODE: COUNTYNAME LOCALJURIS:
 FLFLAG Flagler

 .DNAME: QUADCODE:
ST. JOHNS PARK 2908144

 LAT: 292823N S: N E: W
 LONG: 0812419W N: N W: W

TOWNRANGE: SECTION:
012S029E 7-8

MERIDIAN:
 TA

TRSNOTE:

DIRECTIONS: From US 1 in Bunnell, go W on SR 100 ca. 9 miles. EO is on the S side of SR 100 ca. 2.2 mile W of CR 305 (0.9 mi E of CR 2005).

WATERSHED:

Site Description:

SITEDESC: An isolated 300-acre mosaic of wet and mesic flatwoods intermixed with dome swamps. Southwest side of site burned hot in last few years killing some large pines. Wet flatwoods with slash pines of many ages but few large trees. Dominant species were Pinus elliottii, Ilex glabra, and Aristida stricta. Mesic flatwoods with Pinus elliottii, occasional P. palustris, and Serenoa repens. Taxodium ascendens dome swamp (with many Gordonia lasianthus and Lyonia lucida) ran N-S along the Section 7 & 8 borderline. Four flowering Helianthus carnosus were observed within 10' of the fence bordering the N side of the site (about 20 more plants were growing in the SR 100 R/W). One 5' Crotalus

adamanteus (Eastern diamondback rattlesnake) was observed at close range crawling across a game trail beneath thick Ilex glabra.

KEY. ENVIRO. FACTORS:

MINELEV: 20 MAXELEV:

CLIMATEDESC:

LANDUSE.HISTORY: Historic timber cutting as stumps observed.

CULTURAL.FEATURES:

Site Design:

SITEMAP: P MAPDATE: 94-11-21

DESIGNER: Schultz, G.E.

BOUNDJUST: Primary and secondary ecological boundaries based on aerial photo interpretation and limited ground truthing of natural communities.

PRISEC.ACRES: PRIMARY.ACRES: TL.ACRES: 338.00
SITECOM:

Site Significance:

OLDRATING:

RATINGCOM:

BIODIVSIG: B3

BIODIVCOM: Four flowering Helianthus carnosus (G1G2S1S2) were observed within 10' of the fence bordering the N side of the site (about 20 more plants were growing in the SR 100 R/W).

OTHEVALUES: V4

OTHEVALUCOM:

PROTURGENCY: P2

PROTURGCOM: Most of surrounding area has already been converted to agricultural fields.

MGMTURGENCY: M1

MGMTURGCOM: Only a small population of Helianthus carnosus was observed on site.

Real Estate and Protection:

CONSINTENT:

NUMTRACTS: ESTPROTCOST:

DESIG.CODE: DESIGNATION:

PROTCOM:

Stewardship:

LANDUSECOM: Past timber cutting evident as stumps present. Site perimeter barbed wired but no signs of cattle were observed. Drainage of site appears to have altered vegetation.

NATHAZCOM:

EXOTICCOM: None observed.

OFFSITE: Surrounding land use includes agricultural fields on three sides and a sparsely settled subdivision to the S (Daytona North).

INFONEEDS: Need element stewardship abstract for Helianthus carnosus. Need to study effects of drainage on vegetation as numerous ditches drain to a major canal along the S edge of the site.

MGMTNEEDS: Flatwoods need to be restored to a more natural condition by initiating a regular prescribed burning regime. Drainage needs to be regulated to prevent degradation of site.

MACOM:

Element Occurrence Information:

ELCODE:	SNAME:	SCOMNAME:	GRANK:	SRANK:
ARADE02010	CROTALUS ADAMANTEUS	EASTERN DIAMONDBACK RATTL	G5	S?
PDAST4N0A0	HELIANTHUS CARNOSUS	LAKE-SIDE SUNFLOWER	G1G2	S1S2
CPH0000000	DOME SWAMP		G4?	S3?
.0000000	MESIC FLATWOODS		G?	S4
CPN0000000	WET FLATWOODS		G?	S4?

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

References:

SOURCECODE: CITATION:
PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

IMAGERY.COM: FDOT B&W 93-2-19: PD4116-4-15.

Record Maintenance:

LEADRESP:

EDITION: 94-11-28. EDAUTHOR: Schultz, G.E.

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-02-01	49
USFLHP	VVG	95-01-31	4/12/13/34/40/58/73/74/99
USFLHP	VVG	94-12-16	COPY

MANUAL.FILE.NOTE:

Contractual Fields:

CONTRACT:

FLORIDA NATURAL AREAS INVENTORY

07 FEB 1995

CSISCODE:

DIG.METHOD: ARC/INFO

DIG.COM: SCHULTZ, G. (PNDSCH03). SOURCE SCALE: 1:24000. FIELD QUADS.

DIG.DATES: 95-01-19 RDR

PRIORITY:

THREAT:

QUAD:
2908144

MARGNUM:
27

SBR.OPT10:

Site Basic Record
FISH TAIL SWAMPIdentifiers:

ID: COUNTER:
SITECODE: S.USFLHP * 6155
SITENAME: FISH TAIL SWAMP

SITE.CLASS: SS OLDPCODE:

SITEALIAS: ST. JOHNS COUNTY PNA #24

MCSITECODE: MCSITENAME:

MGSITECODE: MGSITENAME:

SITE.RELATIONS:

DEFINING.MANAME:

Locators:

NATION: US STATE: FL SITERESP:
COUNTYCODE: COUNTYNAME LOCALJURIS:
FLSTJO St Johns

DNAME: QUADCODE:
DINNER ISLAND NE 2908163

LAT: 294215N S: N E: W
LONG: 0812028W N: N W: W

TOWNRANGE: SECTION:

009S029E 2-3,10-11,13-15,23-26,35-36
010S029E 1
009S030E 30-31

MERIDIAN:

TA
TA
TA

TRSNOTE:

DIRECTIONS: From US 1 just N of the Flagler Co. line, go W on CR 204 ca. 2.9 mi. Turn N on the gated sand road (posted by Champion International Corporation) and go ca. 3.5 mi. Turn E on sandy jeep trail and go through planted pines ca. 850' to edge of the swamp. Park here and walk E through the baygall fringe to reach the basin swamp.

WATERSHED:

Site Description:

SITEDESC: Long, narrow basin swamp up to ca. 0.5 mi E-W and 4 mi N-S. Swamp separated from planted pine upland ridges by baygall strand. Some slightly elevated areas have hydric hammock. In the basin swamp, many large trees (some ≤ 24 " DBH and 60+' tall) of numerous species made a dense canopy. Dominant species were Taxodium ascendens, Acer rubrum, Nyssa biflora, Magnolia virginiana, Ulmus americana, Quercus laurifolia,

Liquidambar styraciflua, and Fraxinus caroliniana. Open water ca. 6-8" deep on 1994-09-29 covered ca. 75% of the ground and no flow was evident. The hydric hammock near the center was ca. one mi long N-S and averaged ca. 1000' wide E-W. Almost closed canopy of numerous tree species with many large specimens of Quercus virginiana, Carya glabra, Ulmus americana, Magnolia grandiflora, Tilia americana, Quercus laurifolia, Celtis laevigata, Carpinus carolinia, and Sabal palmetto. The soil was saturated to dry on 1994-09-29. The baygall was dominated by Gordonia lasianthus up to 28" DBH and 60' tall.

KEY: ENVIRO. FACTORS:

Basin subject to seasonal flooding.

MINELEV:

25

MAXELEV: 35

CLIMATEDESC:

LANDUSE.HISTORY: Historic timber cutting in basin but no recent logging evident.

CULTURAL.FEATURES:

Site Design:

SITEMAP: P MAPDATE: 94-11-21

DESIGNER: Schultz, G.E.

BOUNDJUST: Primary and secondary ecological boundaries based on aerial photo interpretation and limited ground truthing of natural communities.

PRISEC.ACRES:

PRIMARY.ACRES:

TL.ACRES: 4,205.00

SITECOM:

Site Significance:

OLDRATING:

RATINGCOM:

BIODIVSIG: B4

BIODIVCOM: Basin was of significant size and had numerous large trees.

OTHERVALUES: V2

OTHERVALUCOM: Ecological value high as aquifer recharge area and wildlife habitat.

PROTURGENCY: P3

PROTURGCOM: Most of uplands surrounding swamp have already been converted to pine plantations. Cypress timber in basin of adequate size for logging.

MGMTURGENCY: M4

MGMTURGCOM: Prevent logging operations from entering wetland system.

Real Estate and Protection:

CONSINTENT:

NUMTRACTS:

ESTPROTCOST:

DESIG.CODE: DESIGNATION:

PROTCOM:

Stewardship:

LANDUSECOM: Most of surrounding uplands were pine plantations of variable age. Some of these areas were planted with young *Pinus palustris* (longleaf pine). Wetlands had scattered old stumps but appeared undisturbed in recent years. Area open to hunting of game animals.

1 HAZCOM:

EXOTICCOM: None observed.

OFFSITE: Interstate 95 borders part of site's E edge and could limit burning of upland habitat.

INFONEEDS:

MGMTNEEDS: Upland ridges need to be restored to a more natural condition by regular burning and selective thinning of pines. Cleanup of trash at S end of site along CR 204.

MACOM:

Element Occurrence Information:

ELCODE:	SNAME:	SCOMNAME:	GRANK:	SRANK:
ABNKC04010	ELANOIDES FORFICATUS	AMERICAN SWALLOW-TAILED K	G5	S2S3
PMAGA08020	NOLINA ATOPOCARPA	FLORIDA BEAR-GRASS	G3	S3
PMCYP0N1V0	RHYNCHOSPORA PUNCTATA	PINELAND BEAK-RUSH	G1?	SU
CPK0000000	BASIN SWAMP		G4?	S3
CPS0000000	BAYGALL		G4?	S4?
CPU0000000	HYDRIC HAMMOCK		G?	S4?
CPU0000000	HYDRIC HAMMOCK		G?	S4?

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

References:

SOURCECODE: CITATION:
PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

IMAGERY.COM: FDOT B&W 93-2-18: PD4123-10-04 to 10-09.

Record Maintenance:

LEADRESP:

EDITION: 94-11-23. EDAUTHOR: Schultz, G.E.

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-31	4/12/13/34/35/40/49/58/59/
USFLHP	VVG	94-12-16	COPY

MANUAL.FILE.NOTE:

Optional Fields:

CONTRACT:

CSISCODE:

DIG.METHOD: ARC/INFO

DIG.COM: SCHULTZ, G. (PNDSCH03). SOURCE SCALE: 1:24000. FIELD QUADS.

DIG.DATES: 95-01-23 RDR

FLORIDA NATURAL AREAS INVENTORY

07 FEB 199

PRIORITY:

REAT:

QUAD:

2908163

MARGNUM:

21

SBR.OPT10:

D

Site Basic Record
HASTINGS DEEP CREEKIdentifiers:

ID: COUNTER:
SITECODE: S.USFLHP * 6153
SITENAME: HASTINGS DEEP CREEK

SITE.CLASS: SS OLDPCODE:

SITEALIAS: ST. JOHNS COUNTY PNA #2

MCSITECODE: MCSITENAME:

MGSITECODE: MGSITENAME:

SITE.RELATIONS:

DEFINING.MANAME:

Locators:

NATION: US STATE: FL SITERESP:
COUNTYCODE: COUNTYNAME LOCALJURIS:
FLSTJO St Johns

DNAME: QUADCODE:
SPUDS 2908164

LAT: 294215N S: N E: W
LONG: 0812815W N: N W: W

TOWNRANGE: SECTION: MERIDIAN:
009S028E 15,16,21,22,26,27,34,35,37,38 TA

TRSNOTE:

DIRECTIONS: From Hastings, go NE on SR 207 ca. 1.5 miles to the Deep
Creek bridge (just prior to SR 206). EO is to the SE.

WATERSHED:

Site Description:

SITEDESC: Headwaters of Deep Creek and surrounding wetland basin.
Narrow floodplain swamp along the upper reaches of
blackwater stream broadening to ca. 2000' wide near SR 207.
Floodplain swamp with good diversity but lacking many large
trees (largest trees 16-20" DBH). Old stumps present.
Dominant vegetation included Taxodium ascendens, Acer
rubrum, Quercus laurifolia, Ulmus americana, Fraxinus
caroliniana, Liquidambar styraciflua, Cephalanthus
occidentalis, and Sabal minor. The exotics Colocasia
esculentum (wild taro) and Brachiaria mutica (paragrass)
were locally abundant. Trash and litter present in water and
nearby woods. Surrounding uplands were cleared agricultural
fields which have ditches draining into the swamp.

KEY. ENVIRO. FACTORS:

Basin subject to seasonal flooding. Ordinary high water up to 24" deep in floodplain away from main creek channel.

MINELEV: 0 MAXELEV: 5

CLIMATEDESC:

LANDUSE.HISTORY: Historic timber logging in basin but no recent logging. Recreational fishing in creek.

CULTURAL.FEATURES:

Site Design:

SITEMAP: P MAPDATE: 94-10-13
DESIGNER: Schultz, G.E.
BOUNDJUST: Primary ecological boundaries only based on aerial photo interpretation and limited ground truthing of natural communities.

PRISEC.ACRES: PRIMARY.ACRES: TL.ACRES: 1,787.00
SITECOM:

Site Significance:

OLDRATING:
RATINGCOM:

BIODIVSIG: B5
BIODIVCOM: Blackwater stream and floodplain swamp were of large size but degraded by past logging and runoff from surrounding agricultural fields.

OTHEVALUES: V1
OTHEVALUCOM: Ecological value high as buffer between agricultural fields and high quality downstream habitat.

PROTURGENCY: P3
PROTURGCOM: Most of uplands suitable for agriculture have already been cleared. Timber in basin of inadequate size for logging.

MGMTURGENCY: M4
MGMTURGCOM: Limit agricultural chemical runoff from entering wetland system.

Real Estate and Protection:

CONSINTENT:

NUMTRACTS: ESTPROTCOST:

DESIG.CODE: DESIGNATION:

PROTCOM:

Stewardship:

LANDUSECOM: Recreational fishing common in creek with boat ramp at NE corner of SR 207 bridge. Trash and litter in water and nearby woods. Surrounding uplands were agricultural fields which have ditches draining into the swamp.

NATHAZCOM:

EXOTICCOM: The exotics *Colocasia esculentum* (wild taro) and *Brachiaria mutica* (para grass) were locally abundant. *Colocasia* was widespread throughout the basin. The woods near the bridge at Miller Road in Section 21 had numerous exotics including the above two species plus *Melia azedarach*, *Dioscorea bulbifera*, *Ipomoea cairica*, *Lygodium japonicum*, and *Solanum diphyllum*.

OFFSITE: Agricultural fields surround the basin and have ditches draining into the swamp with chemical runoff.

INFONEEDS: Baseline monitoring of upland runoff is needed.

MGMTNEEDS: Exotic plant species control, especially of *Colocasia esculentum* and *Brachiaria mutica*.

MACOM:

Element Occurrence Information:

FT.CODE:	SNAME:	SCOMNAME:	GRANK:	SRANK:
AM1N060	PYCNANTHEMUM FLORIDANUM	FLORIDA MOUNTAIN-MINT	G3	S3
CP0000000	FLOODPLAIN SWAMP		G?	S4?
CPU0000000	HYDRIC HAMMOCK		G?	S4?

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

References:

SOURCECODE: CITATION:
PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

IMAGERY.COM: FDOT B&W 93-2-19: PD4123-6-05 to 6-07.

Record Maintenance:

LEADRESP:

EDITION: 94-10-31 EDAUTHOR: Schultz, G.E.

FLORIDA NATURAL AREAS INVENTORY

22 MAR 1995

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-03-22	50
USFLHP	VVG	95-02-01	49
USFLHP	VVG	95-01-31	4/12/13/35/40/58/59/73/74/
USFLHP	VVG	94-12-16	COPY

MANUAL.FILE.NOTE:

Optional Fields:

CONTRACT:

CSISCODE:

DIG.METHOD: ARC/INFO

DIG.COM: SCHULTZ, G. (PNDSCH03). SOURCE SCALE: 1:24000. FIELD QUADS.

DIG.DATES: 95-01-23 RDR

PRIORITY:

THREAT:

QUAD:
2908164MARGNUM:
13SBR.OPT10:
D

Site Basic Record
TRESTLE BAY SWAMPIdentifiers:

ID: COUNTER:
SITECODE: S.USFLHP * 6154
SITENAME: TRESTLE BAY SWAMP

SITE.CLASS: SS OLDPCODE:

SITEALIAS: ST. JOHNS COUNTY PNA #19

MCSITECODE: MCSITENAME:

MGSITECODE: MGSITENAME:

SITE.RELATIONS:

DEFINING.MANAME:

Locators:

NATION: US STATE: FL SITERESP: LOCALJURIS:
COUNTYCODE: COUNTYNAME
FLSTJO St Johns

DNAME: QUADCODE:
ELKTON 2908174
BAKERSVILLE 2908184

LAT: 295147N S: N E: W
LONG: 0812416W N: N W: W

TOWNRANGE: SECTION: MERIDIAN:
007S029E 7,17-20,29-33 TA
007S028E 1,12 TA
008S029E 4-5,8-9,16 TA

TRSNOTE:

DIRECTIONS: To reach Section 29 from US 1 in St. Augustine, go W on CR 214 ca. 4 miles to I-95. EO is ca. 0.5 mile W of I-95 on the N and S sides of CR 214.

WATERSHED:

Site Description:

SITEDESC: Large basin swamp ca. six miles long N-S and up to one mile wide E- W. Tree canopy dense and even-aged. Dominant species were *Gordonia lasianthus* [≤ 12 " (rarely 18") DBH, 40-50' tall], *Taxodium ascendens*, *Nyssa biflora*, *Magnolia virginiana*, *Pinus elliottii*, *Ilex cassine*, *Lyonia lucida*, *Osmunda cinnamomea* and *Woodwardia virginica*. Standing water ca. 6"-12" or more deep with flow N through culverts under CR 214. Scattered old stumps present but swamp appears undisturbed in recent years. Surrounded by wet to mesic

flatwoods, much of which has been cutover and converted to pine plantations. A natural stand of flatwoods strattles the railroad tracks in Section 8.

KEY.ENVIRO.FACTORS:

Basin subject to seasonal flooding.

MINELEV: 40

MAXELEV:

CLIMATEDESC:

LANDUSE.HISTORY: Historic timber cutting in basin but no recent logging evident.

CULTURAL.FEATURES:

Site Design:

SITEMAP: P MAPDATE: 94-11-21

DESIGNER: Schultz, G.E.

BOUNDJUST: Primary and secondary ecological boundaries based on aerial photo interpretation and limited ground truthing of natural communities.

PRISEC.ACRES:

PRIMARY.ACRES:

TL.ACRES: 4,349.00

SITECOM:

Site Significance:

OLDRATING:

RATINGCOM:

BIODIVSIG: B3

BIODIVCOM: Basin swamp was of large size and good condition.

OTHERVALUES: V2

OTHERVALUCOM: Ecological value high as aquifer recharge area and wildlife habitat.

PROTURGENCY: P3

PROTURGCOM: Most of uplands surrounding swamp have already been converted to pine plantations. Cypress timber in basin of adequate size for logging.

MGMTURGENCY: M4

MGMTURGCOM: Prevent logging operations from entering wetland system.

Real Estate and Protection:

CONSINTENT:

NUMTRACTS:

ESTPROTCOST:

DESIG.CODE: DESIGNATION:

PROTCOM:

Stewardship:

LANDUSECOM: Unused (tracks still in place) railroad ran through S end of site. Most of uplands were pine plantations of variable age. Swamp had scattered old stumps but appeared undisturbed in recent years. Area open to hunting of game animals.

NATHAZCOM:

EXOTICCOM: None observed.

OFFSITE: Large county landfill (covering ca. 200 acres) located less than 600' W of swamp and 0.8-2.0 mi S of CR 214. Developing industrial park was located adjacent to NE corner of site. Interstate 95 borders part of site's E edge and could limit burning of upland habitat.

INFONEEDS:

MGMTNEEDS: Fence W border to prevent unauthorized trash dumping in woods near landfill. Cleanup of already existing trash in this area. Flatwoods need to be burned regularly.

MACOM:

Element Occurrence Information:

ELCODE:	SNAME:	SCOMNAME:	GRANK:	SRANK:
ABNKC04010	ELANOIDES FORFICATUS	AMERICAN SWALLOW-TAILED K	G5	S2S3
CPK0000000	BASIN SWAMP		G4?	S3
00000000	MESIC FLATWOODS		G?	S4

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

References:

SOURCECODE: CITATION:
PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

IMAGERY.COM: FDOT B&W 93-2-19: PD4123-8-13 to 8-19.

Record Maintenance:

LEADRESP:

EDITION: 94-11-23. EDAUTHOR: Schultz, G.E.

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-31	4/12/13/34/40/43/49/58/59/
USFLHP	VVG	94-12-16	COPY

MANUAL.FILE.NOTE:

Optional Fields:

CONTRACT:

CSISCODE:

FLORIDA NATURAL AREAS INVENTORY

07 FEB 1995

DIG.METHOD: ARC/INFO

DIG.COM: SCHULTZ, G. (PNDSCH03). SOURCE SCALE: 1:24000. FIELD QUADS.

DIG.DATES: 95-01-24 RDR

PRIORITY:
THREAT:

QUAD:
2908174
2908184

MARGNUM:
5
11

SBR.OPT10:
D
D

Identifiers:

SITEDESC: The site was a diverse mosaic of basin swamps, basin marsh, baygalls, floodplain swamp, hydric hammock, scrub, bog, blackwater stream, and flatwoods. The wetland system drained SW as Deep Creek. The core of the site consisted of two basin swamps, a basin marsh, and a baygall, all of large

size and in good condition. Dominant swamp species were *Taxodium ascendens*, *Nyssa biflora*, *Acer rubrum*, *Ilex cassine*, *Lyonia lucida*, *Myrica cerifera*, *Woodwardia virginica*, *Saururus cernuus*, and *Toxicodendron radicans*. The basin marsh had *Cladium jamaicense* and *Salix caroliniana* as dominants. The baygall was dominated by *Gordonia lasianthus*, *Pinus elliottii*, *Osmunda cinnamomea*, and *Woodwardia virginica*. No recent disturbance was evident in these natural communities. The surrounding flatwoods had been impacted by past and recent logging. The small remnant scrubs were of fair quality. Pine plantations of various ages covered most of the uplands. Fern nurseries covering more than 100 acres were on the N and E sides of the site.

KEY.ENVIRO.FACTORS:

MINELEV: 15 MAXELEV: 70

CLIMATEDESC:

LANDUSE.HISTORY: Pine plantations, timber cutting and hunting.

CULTURAL.FEATURES:

Site Design:

SITEMAP: P MAPDATE: 94-11-23

DESIGNER: Schultz, G.E.

BOUNDJUST: Primary and secondary ecological boundaries based on aerial photo interpretation and limited ground truthing of natural communities.

PRISEC.ACRES: PRIMARY.ACRES: TL.ACRES: 13,399.00

SITECOM: This site is somewhat similar to SBR*514-Tiger Bay. Most of the site was recently purchased by the St. Johns River Water Management District as the Strother Tract.

Site Significance:

OLDRATING:

RATINGCOM:

BIODIVSIG: B3

BIODIVCOM: Site included fair occurrence of scrub (G2S2).

OTHERVALUES: V3

OTHERVALUCOM: Important as aquifer recharge area, and as game and wildlife habitat.

PROTURGENCY: P2

PROTURGCOM: Logging of timber occurring in flatwoods around wetlands in September, 1994.

MGMTURGENCY: M4

MGMTURGCOM: Future management should work towards increasing the quality of the scrub and cutover flatwoods.

Real Estate and Protection:

NSINTENT:

NUMTRACTS:

ESTPROTCOST:

DESIG.CODE: DESIGNATION:

PROTCOM:

Stewardship:

LANDUSECOM: The flatwoods had been impacted by past and current logging. Pine plantations covered large areas. Main basin swamps and baygall had old stumps but generally appeared undisturbed in recent years.

NATHAZCOM:

EXOTICCOM: None observed.

OFFSITE: Predominant land use was pine plantations and logging with some areas recently clearcut. Fern nurseries covering more than 100 acres were on the N and E sides of the site. Cattle ranch was N of the site by Lake Disston.

INFONEEDS: Need detailed inventory of site to locate other possible element occurrences.

MGMTNEEDS: Future management should work towards increasing the quality of the scrub and flatwoods. Prescribed burning will be needed in these areas.

MACOM:

Element Occurrence Information:

ELCODE:	SNAME:	SCOMNAME:	GRANK:	SRANK:
ARAAF01030	GOPHERUS POLYPHEMUS	GOPHER TORTOISE	G3	S3
CPL0000000	BASIN MARSH		G?	S4?
CPK0000000	BASIN SWAMP		G4?	S3
CPK0000000	BASIN SWAMP		G4?	S3
CPK0000000	BASIN SWAMP		G4?	S3
CPS0000000	BAYGALL		G4?	S4?
CRC0000000	BLACKWATER STREAM		G4	S2
CPT0000000	BOG		G?	S3
CPC0000000	FLOODPLAIN SWAMP		G?	S4?
CPU0000000	HYDRIC HAMMOCK		G?	S4?
CTE0000000	MESIC FLATWOODS		G?	S4
CTA0000000	SCRUB		G2	S2
CTA0000000	SCRUB		G2	S2
CTA0000000	SCRUB		G2	S2

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

References:

SOURCECODE: CITATION:

PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

IMAGERY.COM: FDOT B&W 92-1-21: PD4038-6-13 to 6-16, 7-19 to 7-24, 8-26 to 8-27.

Record Maintenance:

LEADRESP:

EDITION: 94-12-02. EDAUTHOR: Schultz, G.E.

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-03-15	4
USFLHP	VVG	95-01-31	26/30
USFLHP	VVG	95-01-30	99
USFLHP	VVG	95-01-30	4/12/13/26/34/35/40/43/58/
USFLHP	VVG	94-12-16	COPY

MANUAL.FILE.NOTE:Optional Fields:

CONTRACT:

CSISCODE:

DIG.METHOD: ARC/INFO

DIG.COM: SCHULTZ, G. (PNDSCH03). SOURCE SCALE: 1:24,000. FIELD QUADS.

DIG.DATES: 95-01-18 RDR

PRIORITY:

THREAT:

QUAD:

2908123

2908124

2908133

MARGNUM:

39

35

12

SBR.OPT10:

Site Basic Record
DAN GEORGE LAKEIdentifiers:

ID: COUNTER:
SITECODE: S.USFLHP * 6159
SITENAME: DAN GEORGE LAKE

SITE.CLASS: SS OLDPCODE:

SITEALIAS: VOLUSIA COUNTY PNA #16

MCSITECODE: MCSITENAME:

MGSITECODE: MGSITENAME:

SITE.RELATIONS:

DEFINING.MANAME:

Locators:

NATION: US STATE: FL SITERESP:
COUNTYCODE: COUNTYNAME LOCALJURIS:
FLVOLL Volusia

DNAME: QUADCODE:
LAKE DIAS 2908123

LAT: 291248N S: N E: W
LONG: 0811940W N: N W: W

TOWNRANGE: SECTION: MERIDIAN:
015S030E 5-8,17-18 TA

TRSNOTE:

DIRECTIONS: From SR 11, go W on SR 40 ca. 1.2 miles to a graded dirt road heading S (Winona Rd.). Turn S and go ca. 0.7 mi to sand pine scrub. Park on side of the road and walk E ca. 400' through planted pines and then an old fernery (with *Asparagus plumosus* planted under oaks) to reach the baygall.

WATERSHED:

Site Description:

SITEDESC: A undeveloped swamp lake (Dan George Lake) of ca. 125 acres was in the center of the site. A baygall extended around the lake, with many large trees on the W, S, and E sides. Dominant species were *Gordonia lasianthus* (up to 20" DBH), *Magnolia virginiana*, *Nyssa biflora*, *Myrica cerifera*, *Itea virginica*, *Lyonia lucida*, and *Osmunda cinnamomea*. Old stumps and logs present. Uplands N and W of the lake were covered with planted pines. Several fern growing nurseries bordered the baygall S of the lake.

KEY. ENVIRO. FACTORS:

MINELEV: 15 MAXELEV: 70

CLIMATEDESC:

LANDUSE.HISTORY: Pine plantations, timber cutting and fern
 cultivation.

CULTURAL.FEATURES:

Site Design:

SITEMAP: P MAPDATE: 94-11-23

DESIGNER: Schultz, G.E.

BOUNDJUST: Primary and secondary ecological boundaries based on aerial
photo interpretation and limited ground truthing of natural
communities.PRISEC.ACRES: PRIMARY.ACRES: TL.ACRES: 1,078.00
SITECOM: Most of the site was recently purchased by the St. Johns
 River Water Management District as part of the Strother
 Tract.Site Significance:

OLDRATING:

RATINGCOM:

BIODIVSIG: B5

BIODIVCOM: Site included undeveloped swamp lake and large baygall.

OTHERVALUES: V3

OTHERVALUCOM: Important as aquifer recharge area, and as game and wildlife
habitat.

PROTURGENCY: P3

PROTURGCOM: Possible alteration of water table by nearby fern nurseries.

MGMTURGENCY: M4

MGMTURGCOM: Future management should work towards restoring the
flatwoods from the pine plantations.Real Estate and Protection:

CONSINTENT:

NUMTRACTS: ESTPROTCOST:

DESIG.CODE: DESIGNATION:

PROTCOM:

Stewardship:LANDUSECOM: The flatwoods had been impacted by past and current logging.
Pine plantations covered N half of site. Baygall around W,

S, and E sides of the lake had old stumps but generally appeared undisturbed in recent years.

NATHAZCOM:

EXOTICCOM: None observed.

OFFSITE: Predominant land use was pine plantations or fern nurseries.

INFONEEDS: Need field survey of site to locate other possible element occurrences.

MGMTNEEDS: Future management should work towards restoring the flatwoods. Prescribed burning will be needed.

MACOM:

Element Occurrence Information:

ELCODE: SNAME:
CPS0000000 BAYGALL

SCOMNAME:

GRANK: SRANK:
G4? S4?

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

References:

RCECODE: CITATION:
PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

IMAGERY.COM: FDOT B&W 92-1-21: PD4038-8-25.

Record Maintenance:

LEADRESP:

EDITION: 94-12-02. EDAUTHOR: Schultz, G.E.

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-03-15	4
USFLHP	VVG	95-01-31	4/12/13/26/30/34/35/40/58/
USFLHP	VVG	94-12-21	4
USFLHP	VVG	94-12-16	COPY

MANUAL.FILE.NOTE:

Optional Fields:

CONTRACT:

CSISCODE:

DIG.METHOD: ARC/INFO

FIG.COM: SCHULTZ, G. (PNDSCH03). SOURCE SCALE: 1:24000. FIELD QUADS.

DIG.DATES: 95-01-18 RDR

FLORIDA NATURAL AREAS INVENTORY

22 MAR 1995

PRIORITY:
THREAT:

QUAD:
2908123

MARGNUM:
38

SBR.OPT10:

Site Basic Record
LITTLE HAW CREEKIdentifiers:

ID: COUNTER:
SITECODE: S.USFLHP * 6160
SITENAME: LITTLE HAW CREEK

SITE.CLASS: MC OLDCODE:

SITEALIAS: VOLUSIA COUNTY PNA #21, FLAGLER COUNTY PNA #26

MCSITECODE: MCSITENAME:

MGSITECODE: MGSITENAME:

SITE.RELATIONS:

DEFINING.MANAME:

Locators:

NATION: US STATE: FL SITERESP:
 COUNTYCODE: COUNTYNAME LOCALJURIS:
 FLVOLUME Volusia
 FLFLAG Flagler

QUADNAME: QUADCODE:
LAKE DIAS 2908123
CODYS CORNER 2908133
DAYTONA BEACH NW 2908122
DELAND 2908113
DAYTONA BEACH SW 2908112

LAT: 291150N S: N E: W
LONG: 0811707W N: N W: W

TOWNRANGE: SECTION:

015S030E 28
014S029E 13-16,21-27,36
014S030E 30-31
015S030E 4-5,8-11,14-16,21-28,34,37
015S031E 31-32
016S030E 1,11-14,23-26,37
016S031E 5-8,17-21,28-34
017S031E 4-8,18

MERIDIAN:

TA
TA
TA
TA
TA
TA
TA
TA

TRSNOTE:

DIRECTIONS: For Lake Dias at SR 11, go S on SR 11 from SR 40 ca. 4.5 mi.
Turn W and park in the roadside park at the E end of Lake
Dias. Walk to the site on the E side of SR 11.

W ERSHED: 03080103

Site Description:

SITEDESC: A large floodplain swamp in good condition along Little Haw Creek extended over 10 mi N-S and averaged ca. 1 mi wide from US 92 to Lake Disston N of SR 40. A large basin swamp (part of the creek's headwaters), also in good condition, extended from I-4 to US 92. About 70 acres of fair quality scrub was located in the extreme SW corner of the site. Dominant species in the swamps were *Taxodium ascendens*, *Nyssa biflora*, *Acer rubrum*, *Ilex cassine*, *Myrica cerifera*, *Lyonia lucida*, and *Cladium jamaicense*. The water had a strong flow to the N in September of 1994. Old cypress stumps were occasionally seen but few signs of recent disturbance. Surrounding uplands predominantly converted to pine plantations with some areas recently clearcut. The isolated remnant of mature scrub had large sand pine and low diversity. Dominant species were *Pinus clausa* (up to 18" DBH, 50-60' tall), *Quercus geminata*, *Q. myrtifolia*, *Q. laevis*, *Serenoa repens*, *Lyonia ferruginea*, and *Garberia heterophylla*. A few areas were approaching xeric hammock. One active *Gopherus polyphemus* burrow was observed. *Persea palustris* was occasionally seen in S end. Trash dumping, plowed fire lanes, and ORV trails disturbed the scrub. Elsewhere, a few large fern nurseries were on the W side by Lake Dias. A private airplane landing strip with homes was on E side of swamp near Lake Dias.

KEY. ENVIRO. FACTORS:

Basin subject to seasonal flooding.

MINELEV: 15**MAXELEV:** 75**CLIMATEDESC:**

LANDUSE.HISTORY: Pine plantations, timber cutting and cattle ranching.

CULTURAL.FEATURES:**Site Design:****SITEMAP:** P **MAPDATE:** 94-11-23**DESIGNER:** Schultz, G.E.

BOUNDJUST: Primary and secondary ecological boundaries based on aerial photo interpretation and limited ground truthing of natural communities.

PRISEC.ACRES:**PRIMARY.ACRES:****TL.ACRES:** 26,076.00

SITECOM: This site overlaps somewhat with SBR*514-Tiger Bay. *Ursus americanus floridanus*.058 has some territory within this site.

Site Significance:**OLDRATING:****RATINGCOM:****BIODIVSIG:** B4

BIODIVCOM: Basin included good occurrences of floodplain swamp and basin swamp as well as a small tract of fair quality scrub

(G2S2).

HERVALUES: V3

OTHERVALUCOM: Important as wildlife corridor and habitat.

PROTURGENCY: P2

PROTURGCOM: Logging of timber in wetlands could occur.

MGMTURGENCY: M4

MGMTURGCOM: Future management should work towards increasing the size and quality of natural buffer along floodplain swamp.

Real Estate and Protection:

CONSINTENT:

NUMTRACTS:

ESTPROTCOST:

DESIG.CODE: DESIGNATION:

PROTCOM:

Stewardship:

LANDUSECOM: Planted pines dominated surrounding areas right up to edge of swamps and active logging was occurring at several locations. Swamps had some old stumps but generally appeared undisturbed in recent years.

NATHAZCOM:

EXOTICCOM: None observed.

OFFSITE: Predominant land use was pine plantations with some areas recently clearcut. City of Deland bordered W side of site at S end. Cattle ranching was common at N end by Lake Disston. Fishing was common in lakes and streams.

INFONEEDS: Need detailed inventory of site to locate other possible EOs. Monitor water quality of creek.

MGMTNEEDS: Future management should work towards increasing the size and quality of natural buffer along floodplain swamp. Prescribed burning will be needed in flatwoods areas.

MACOM:

Element Occurrence Information:

ELCODE:	SNAME:	SCOMNAME:	GRANK:	SRANK:
ARAAF01030	GOPHERUS POLYPHEMUS	GOPHER TORTOISE	G3	S3
PDLAU0B050	PERSEA HUMILIS	SCRUB BAY	G3	S3
PDLAU0B050	PERSEA HUMILIS	SCRUB BAY	G3	S3
PMCYPON0N0	RHYNCHOSPORA DECURRENS	DECURRENT BEAK-RUSH	G3G4	S2
C00000000	BASIN SWAMP		G4?	S3
C00000000	FLOODPLAIN SWAMP		G?	S4?
CPC0000000	FLOODPLAIN SWAMP		G?	S4?
CTA0000000	SCRUB		G2	S2

FLORIDA NATURAL AREAS INVENTORY

07 FEB 199

CTA0000000 SCRUB

G2

S2

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

References:

SOURCECODE: CITATION:

PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

IMAGERY.COM: FDOT B&W 93-2-18: PD4116-5-03 to 5-05, 6-03; FDOT B&W
93-1-21: PD4038-8-26 to 8-28, 9-22 to 9-25, 10-14, 10-17 to
10-24, 11-16 to 11-23, and 12A-11.

Record Maintenance:

LEADRESP:

EDITION: 94-12-02. EDAUTHOR: Schultz, G.E.

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	LPP	95-02-03	9
USFLHP	VVG	95-01-30	4/12/13/26/32/34/35/40/43/
USFLHP	VVG	94-12-16	COPY

MANUAL.FILE.NOTE:

Optional Fields:

CONTRACT:

CSISCODE:

DIG.METHOD: ARC/INFO

DIG.COM: SCHULTZ, G. (PNDSCH03). SOURCE SCALE: 1:24,000. FIELD QUADS.

DIG.DATES: 94-01-18 RDR

PRIORITY:

THREAT:

QUAD:

2908123
2908133
2908122
2908113
2908112

MARGNUM:

37
11
7
18
15

SBR.OPT10:

D
D
D
D
D

Site Basic Record
LITTLE TIGER BAYIdentifiers:

ID: COUNTER:
SITECODE: S.USFLHP * 6161
SITENAME: LITTLE TIGER BAY

SITE.CLASS: SS OLD.CODE:

SITEALIAS: VOLUSIA COUNTY PNA #42

MCSITECODE: MCSITENAME:

MGSITECODE: MGSITENAME:

SITE.RELATIONS:

DEFINING.MANAME:

Locators:

NATION: US STATE: FL SITERESP:
COUNTYCODE: COUNTYNAME LOCALJURIS:
FLVOLL Volusia

DNAME: QUADCODE:
DAYTONA BEACH NW 2908122
DAYTONA BEACH SW 2908112

LAT: 290838N S: N E: W
LONG: 0811224W N: N W: W

TOWNRANGE: SECTION: MERIDIAN:
016S031E 3-5,8-9 TA
015S031E 28-29,31-33 TA

TRSNOTE:

DIRECTIONS: Must have 4WD vehicle and aerial photograph or topographic maps in hand. From I-95 in Daytona, go W on US 92 ca. 7.2 miles to an old brick road heading NE. Turn NE and go ca. 0.4 mi to graded dirt road heading N. Turn N (passing gate) and follow this road for ca. 1.5 mi. Turn NW onto rough jeep trail and go ca. 1.5 mi to 3-way intersection. Turn W and go ca. 1.6 mi to road under powerline. Turn S and go ca. 1.5 mi to 4-way intersection. Turn E and go ca. 0.8 mi to end. Center of site is to the E.

WATERSHED:

Site Description:

SITEDESC: Mosaic of large basin swamp with baygalls, flatwoods (now pine plantations), and depression marshes. The irregular-shaped basin swamp extended over 2.5 mi N-S and 0.5 mi E-W. No evidence of recent logging in swamp. Dominant

species were *Taxodium ascendens*, *Nyssa biflora*, *Gordonia lasianthus*, *Pinus elliottii*, *Ilex cassine*, *Lyonia lucida*, *Myrica cerifera*, *Woodwardia virginica* and *Osmunda cinnamomea*. Water ca. 12-18" deep on 1994-08-25. The flatwoods had been converted to pine plantations (of different ages). Some recently clearcut up to edge of swamp.

KEY. ENVIRO. FACTORS:

Basin subject to seasonal flooding.

MINELEV: 38

MAXELEV: 40

CLIMATEDESC:

LANDUSE.HISTORY: Timber cutting and pine plantations.

CULTURAL.FEATURES:

Site Design:

SITEMAP: P MAPDATE: 94-11-23

DESIGNER: Schultz, G.E.

BOUNDJUST: Primary and secondary ecological boundaries based on aerial photo interpretation and limited ground truthing of natural communities.

PRISEC.ACRES:

PRIMARY.ACRES:

TL.ACRES: 2,671.00

SITECOM:

Site Significance:

OLDRATING:

RATINGCOM:

BIODIVSIG: B4

BIODIVCOM: Basin swamp of good quality and large size.

OTHERVALUES: V3

OTHERVALUCOM: Important as wildlife habitat.

PROTURGENCY: P4

PROTURGCOM: Area recently purchased by State of Florida as addition to Tiger Bay State Forest.

MGMTURGENCY: M4

MGMTURGCOM: Prescribed burning will be needed in the future to restore flatwoods habitat.

Real Estate and Protection:

CONSINTENT:

NUMTRACTS:

ESTPROTCOST:

DESIG.CODE: DESIGNATION:

PROTCOM:

Stewardship:

VDUSECOM: Logging of timber. Swamp had some old stumps but appeared undisturbed in recent years. Planted pines dominated drier areas.

NATHAZCOM:

EXOTICCOM: None observed.

OFFSITE: Pine plantations surround site. High voltage power transmission line borders W side of site.

INFONEEDS: Need to perform detailed inventory of site to discover other possible EOS and refine current boundaries.

MGMTNEEDS: Prescribed burning and selective thinning of planted pines.

MACOM: Site adjacent to W side of Tiger Bay State Forest.

Element Occurrence Information:

ELCODE: SNAME:
CPK0000000 BASIN SWAMP

SCOMNAME:

GRANK: SRANK:
G4? S3

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

References:

SOURCECODE: CITATION:
PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

IMAGERY.COM: FDOT B&W 93-3-02: PD4038-12A-14 and 12A-15.

Record Maintenance:

LEADRESP:

EDITION: 94-12-02. EDAUTHOR: Schultz, G.E.

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-30	4/12/13/34/35/40/43/58/59/
USFLHP	VVG	94-12-16	COPY

MANUAL.FILE.NOTE:

Optional Fields:

CONTRACT:

CSISCODE:

DIG.METHOD: ARC/INFO

DIG.COM: SCHULTZ, G. (PNDSCH03). SOURCE SCALE: 1:24,000. FIELD QUADS.

DIG.DATES: 95-01-18 RDR

FLORIDA NATURAL AREAS INVENTORY

07 FEB 1991

PRIORITY:
THREAT:

QUAD:
2908122
2908112

MARGNUM:
6
14

SBR.OPT10:

Site Basic Record
SAW GRASS BAYIdentifiers:

ID: COUNTER:
SITECODE: S.USFLHP * 6157
SITENAME: SAW GRASS BAY

SITE.CLASS: SS OLDPCODE:
SITEALIAS: VOLUSIA COUNTY PNA #4, 5, 10

MCSITECODE: MCSITENAME:

MGSITECODE: MGSITENAME:

SITE.RELATIONS:

DEFINING.MANAME:

Locators:

NATION: US STATE: FL SITERESP:
COUNTYCODE: COUNTYNAME LOCALJURIS:
FLVOLU Volusia

DNAME: QUADCODE:
SEVILLE 2908134

LAT: 291627N S: N E: W
LONG: 0812601W N: N W: W

TOWNRANGE: SECTION: MERIDIAN:
014S028E 1-3,10-16,21-24,26-27 TA
013S028E 34-35 TA
014S029E 18-19 TA

TRSNOTE:

DIRECTIONS: From US 17 in Seville, go E on CR 305 ca. 1.8 miles to graded McGlon Road. Turn S and go ca. 1.2 miles. Park on E side of road and walk E (across heavily disturbed cutover wet flatwoods) into W edge of site.

WATERSHED:

Site Description:

SITEDESC: The N end of the site was an irregular-shaped baygall in good condition ca. 1 mi E-W and N-S. The closed canopy was dominated by dense *Gordonia lasianthus* (up to 18" DBH), *Pinus elliottii* and *Osmunda cinnamomea*. Old pine stumps were present but no recent human disturbance was evident. On the W side, the wet flatwoods were heavily disturbed by logging in the past year. The baygall had a narrow connection to Saw Grass Bay to the SE. The SW part of the site was another large baygall and basin swamp system which had a very narrow

connection to Saw Grass Bay. Saw Grass Bay was a small floodplain swamp and baygall system which joined the W side of Lake Disston. Most of the surrounding land was cattle pasture or pine plantations. Numerous large fern nurseries were in the area.

KEY. ENVIRO. FACTORS:

Basin subject to seasonal flooding.

MINELEV: 15 MAXELEV: 60

CLIMATEDESC:

LANDUSE.HISTORY: Timber cutting and cattle ranching.

CULTURAL.FEATURES:

Site Design:

SITEMAP: P MAPDATE: 94-11-23

DESIGNER: Schultz, G.E.

BOUNDJUST: Primary and secondary ecological boundaries based on aerial photo interpretation and limited ground truthing of natural communities.

PRISEC.ACRES: PRIMARY.ACRES: TL.ACRES: 5,516.00
SITECOM:

Site Significance:

OLDRATING:

RATINGCOM:

BIODIVSIG: B4

BIODIVCOM: Site included good quality baygall.

OTHEVALUES: V3

OTHEVALUCOM: Important as wildlife corridor and habitat.

PROTURGENCY: P3

PROTURGCOM: Threat of timber logging in wetlands.

MGMTURGENCY: M4

MGMTURGCOM: Prescribed burning will be needed in the future.

Real Estate and Protection:

CONSINTENT:

NUMTRACTS: ESTPROTCOST:

DESIG.CODE: DESIGNATION:

PROTCOM:

Stewardship:

LANDUSECOM: Logging, pine plantations, and cattle ranching. Baygall had some old stumps but appeared undisturbed in recent years.

Planted pines in some areas.

HAZCOM:

EXOTICCOM: None observed.

OFFSITE: Pine plantations and cattle ranching. Numerous large fern nurseries were in the area. Fishing in Lake Disston.

INFONEEDS: Need to preform thorough field survey of site to discover other possible EOs (including scrub).

MGMTNEEDS: Future management should work towards increasing the size and quality of natural buffer along wetlands.

MACOM:

Element Occurrence Information:

ELCODE:	SNAME:	SCOMNAME:	GRANK:	SRANK:
ABNKC10010	HALIAEETUS LEUCOCEPHALUS	BALD EAGLE	G3	S2S3
CPS0000000	BAYGALL		G4?	S4?

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

References:

SOURCECODE: CITATION:
PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

IMAGERY.COM: FDOT B&W 93-3-03: PD4038-4-14 to 4-16, 5-16 to 5-18.

Record Maintenance:

LEADRESP:

EDITION: 94-12-02. EDAUTHOR: Schultz, G.E.

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-30	4/12/13/34/35/40/58/59/60/
USFLHP	VVG	94-12-16	COPY

MANUAL.FILE.NOTE:

Optional Fields:

CONTRACT:

CSISCODE:

DIG.METHOD: ARC/INFO

DIG.COM: SCHULTZ, G. (PNDSCH03). SOURCE SCALE: 1:24,000. FIELD QUADS.

L .DATES: 95-01-19 RDR

FLORIDA NATURAL AREAS INVENTORY

07 FEB 1995

PRIORITY:
THREAT:

QUAD:
2908134

MARGNUM:
19

SBR.OPT10:
D

Site Basic Record
SHAW LAKEIdentifiers:ID: COUNTER:
SITECODE: S.USFLHP * 6156
SITENAME: SHAW LAKE

SITE.CLASS: SS OLDPCODE:

SITEALIAS: VOLUSIA COUNTY PNA #9

MCSITECODE: MCSITENAME:

MGSITECODE: MGSITENAME:

SITE.RELATIONS:

DEFINING.MANAME:

Locators:NATION: US STATE: FL SITERESP:
COUNTYCODE: COUNTYNAME LOCALJURIS:
FLVOLU VolusiaDNAME: QUADCODE:
PIERSON 2908124
SEVILLE 2908134
CODYS CORNER 2908133
LAKE DIAS 2908123LAT: 291410N S: N E: W
LONG: 0812420W N: N W: W

TOWNRANGE: SECTION:

014S029E 32
014S029E 28-29,31-33
014S028E 34-36
015S028E 1
015S029E 3-6,7-8,17

MERIDIAN:

TA
TA
TA
TA
TA

TRSNOTE:

DIRECTIONS: Must have 4WD vehicle and topographic map or aerial photograph in hand. From US 17 in Barberville, go E on SR 40 ca. 3.4 miles to a slight bend in the road. Turn N on the graded dirt (but with numerous rough spots of deep sand or mud) Truck Trail #11 and go N ca. 2.1 miles. Turn W on graded Truck Trail #13 and go through scrub for ca. 0.5 mile. Passing a gate, continue SW on a rough jeep trail ca. 0.4 mile, then W another 0.25 mi onto the scrub ridge. EO begins here and continues W.

WATERSHED:

Site Description:

SITEDESC: The site was a diverse mosaic of scrub ridges, baygalls, small depression marshes, swamp lakes, and flatwoods. The fair quality scrub was unburned for many years and large *Pinus clausa* had fallen down in some areas. Dominant woody species were *Pinus clausa*, *Quercus* spp., *Lyonia ferruginea*, and *Serenoa repens*. The sparse groundcover had *Cladonia* lichens, *Licania michauxii*, *Aristida stricta*, and *Rhynchospora megalocarpa*. The center of the site had numerous narrow scrub ridges (frequently with steep slopes). Numerous jeep trails and a large hunting camp were located here. Rare species in the scrub were *Gopherus polyphemus*, *Ilex arenicola*, and *Persea humilis*. A good quality baygall ca. 1.3 mi E-W and 0.5 mi N-S was located in the NE corner of the site. It had a closed canopy was dominated by large *Gordonia lasianthus* and *Pinus elliottii*, as well as *Ilex cassine*, *Lyonia lucida*, *Osmunda cinnamomea*, and *Woodwardia virginica*. The baygall connected to the swamp which drains N to Lake Disston. Old pine stumps were present but no recent human disturbance evident. Other smaller baygalls were scattered throughout the site and around the swamp lakes. The flatwoods had been impacted by past and current logging. Slash and sand pine plantations covered some areas. Large fern nurseries covering >100 acres were to the E and N of the site.

KEY. ENVIRO. FACTORS:

MINELEV: 25 MAXELEV: 70

CLIMATEDESC:

LANDUSE.HISTORY: Pine plantations, timber cutting and hunting.

CULTURAL.FEATURES:

Site Design:

SITEMAP: P MAPDATE: 94-11-23

DESIGNER: Schultz, G.E.

BOUNDJUST: Primary and secondary ecological boundaries based on aerial photo interpretation and limited ground truthing of natural communities.

PRISEC.ACRES: PRIMARY.ACRES: TL.ACRES: 6,099.00

SITECOM: Boundaries of this site overlap somewhat with SBR*514 - Tiger Bay. Strother Timberlands Ltd. and Madison Timberlands Inc., P.O. Box 1857, Alachua, FL 32615 owned the uplands in Section 32 (Parcel #4932-00-00-0020) and 363 acres in Section 31 (Parcel #4931-00-00-0040). Max Bates of Pierson posted the road in Sec 31 SE1/4NW1/4. Evans Farm of Orange City posted Sec 32 NW1/4NW1/4. A portion of the baygall E of the ridge in Sections 32 and 33 was recently purchased by the St. Johns River Water Management District as part of the Strother Tract.

Site Significance:

DRATING:
...FINGCOM:

BIODIVSIG: B3
BIODIVCOM: Site included fair occurrence of scrub (G2S2).

OTHEVALUES: V3
OTHEVALUCOM: Important as aquifer recharge area, and as game and wildlife habitat.

PROTURGENCY: P2
PROTURGCOM: Logging of timber occurring in flatwoods around wetlands in September, 1994.

MGMTURGENCY: M4
MGMTURGCOM: Future management should work towards increasing the quality of the scrub and cutover flatwoods.

Real Estate and Protection:

CONSINTENT:

NUMTRACTS: ESTPROTCOST:

DESIG.CODE: DESIGNATION:

TCOM:

Stewardship:

LANDUSECOM: The flatwoods had been impacted by past and current logging. Slash and sand pine plantations covered some areas. Baygalls had some old stumps but generally appeared undisturbed in recent years. Numerous jeep trails and a large hunting camp were located in the scrub.

NATHAZCOM:

EXOTICCOM: None observed.

OFFSITE: Predominant land use was pine plantations and logging with some areas recently clearcut. Cattle ranch was N of the site by Lake Disston. Fishing was common in lakes and streams.

INFONEEDS: Need detailed inventory of site to locate other possible EOS.

MGMTNEEDS: Future management should work towards increasing the quality of the scrub and flatwoods. Prescribed burning will be needed in these areas.

MACOM:

Element Occurrence Information:

ELCODE: SNAME:
ARAAF01030 GOPHERUS POLYPHEMUS

SCOMNAME:
GOPHER TORTOISE

GRANK: SRANK:
G3 S3

FLORIDA NATURAL AREAS INVENTORY

07 FEB 1995

PDLAM0D040	CONRADINA GRANDIFLORA	LARGE-FLOWERED ROSEMARY	G3	S3
PDAQU010R1	ILEX OPACA VAR ARENICOLA	SCRUB HOLLY	G5T3	S3
PDAQU010R1	ILEX OPACA VAR ARENICOLA	SCRUB HOLLY	G5T3	S3
PDLAU0B050	PERSEA HUMILIS	SCRUB BAY	G3	S3
CPS0000000	BAYGALL		G4?	S4?
CPS0000000	BAYGALL		G4?	S4?
CPJ0000000	DEPRESSION MARSH		G4?	S3
CLC0000000	SANDHILL UPLAND LAKE		G3	S2
CTB0000000	SANDHILL		G2G3	S2
CTB0000000	SANDHILL		G2G3	S2
CTA0000000	SCRUB		G2	S2
CTA0000000	SCRUB		G2	S2
CTA0000000	SCRUB		G2	S2

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

References:SOURCECODE: CITATION:
Schultz, G.E

IMAGERY.COM: FDOT B&W 93-3-03: PD4038-4-11, 5-13 to 5-15, 6-16 to 6-17.

Record Maintenance:

LEADRESP:

EDITION: 94-12-02. EDAUTHOR: Schultz, G.E.

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-31	26
USFLHP	VVG	95-01-30	4/12/13/19/26/30/34/35/40/
USFLHP	VVG	94-12-16	COPY

MANUAL.FILE.NOTE:

Optional Fields:

CONTRACT:

CSISCODE:

DIG.METHOD: ARC/INFO

DIG.COM: SCHULTZ, G. (PNDSCH03). SOURCE SCALE: 1:24000. FIELD QUADS.

DIG.DATES: 95-01-19 RDR

PRIORITY:

THREAT:

FLORIDA NATURAL AREAS INVENTORY

07 FEB 1995

QUAD:

08124

08134

2908133

2908123

MARGNUM:

36

20

13

40

SBR.OPT10:

D

D

D

D

Appendix III

TBSA Potential Natural Area (PNA) Forms and Element Occurrence Records. (Arranged alphabetically by county and then numerically within each county.)

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY Flagler # 1 CODE FL FLAG 001

SITE NAME Haw Creek QUAD/CODE Leville

LOCATION T 13S R 29E SECT. 22, 27, 28, 29, 30, 31, 32, 33

13S 28E 1 T 11S R 28E SECT. 19, 29, 30, 31, 32, 33

12S 28E 3, 4, 9, 10, 45, 22, 23, 24, 25, 26, 27, 37, 38, 39, 40

14S 29E 4, 5, 6, 7, 8, 9, 18

along western edge of county

Centroid: 1250285 50025036

? portion of this site as identified on the DOT county map is within WMD property and Hawk Creek State Preserve.

POTENTIAL FEATURE Floodplain Swamp
Extensive Hydric Hammock, sawgrass marsh system is outstanding
eastern part is upland but at over Flatwoods

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD 3808-4-4 Flom 4-6-89 2-02, 2-03, 2-04, 2-05

7 Flom 2-18-93 4-05, 4-06, 4-07, 5-06, 5-08

1 3-07 3-02, 3-03, 3-5; Flom 4-6-89

3 4-11 1-17, 1-8, 1-6 (Crescent Lake Flatwoods, dirt cut over but intact surrounding?)

SOILS PHOTO # _____ SOIL TYPE _____

INITIAL GROUND SURVEY SUMMARY

EVALUATOR GES DATE(S) 7-5-94, 8-18-94

DESCRIPTION Extensive floodplain swamp with large trees along E side
Shell Bluff Landing - fringe of good size cypress. of Lake.
Large sawgrass basin marsh E of Dead Lake in Mud Lake area
and N of Grimsley Neck.

NATURAL QUALITY A - excellent!

OVERALL EVALUATION P- Orzell 11/93; PA Aipes 4/94

FLAG 001

Aerial survey on 6-2-94.

Lake Disston : W. side : cypress band along edge of lake
NW : basin swamp, ~200 yards across, scattered cypress,
dense canopy
CR305 houses and pasture
planted pine

Middle Hawk Creek : floodplain swamp not very wide,
scattered cabbage palms

Crescent Lake : cypress right at edge of lake,
turning into a fringe of large trees ~100 yards wide
as you go N, smaller trees to E, gradually
turning into a large area of open marsh with sawgrass.
Swamp canopy dense cypress / mixed hardwoods.
* Very high quality floodplain swamp -
extends all along E side of lake.
- lots of standing water, red maple, cypress and
other hardwoods around White Oak Swamp

N end by SR 20 - cutover pine plantations
- some very large pines
- cypress fringe along lake edge

T	R	S	
115	28E	18-19, 20-30, 32-33	145 29E 4-9, 12
125	28E	3-11, 9-12, 16, 22-27, 36-42, 45	
135	28E	19-16, 21-26, 35-36 38	
125	29E	31-32	
135	29E	3-10, 15-17, 27-34	

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY Flagler # 2 CODE FL FLAG 002SITE NAME ^{White Oak} Branch Flatwoods QUAD/CODE St Johns Park 2908144LOCATION T 12S, R 29E .SECT. 7, 8.FLAG02.MFPOTENTIAL FEATURE Wet Flatwoods?, selective cut n past?

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD 3808-4-13Flora 4-6-89PD 4116-4-15 on 2-19-93

SOILS PHOTO # _____ SOIL TYPE _____

INITIAL GROUND SURVEY SUMMARY

EVALUATOR GES DATE(S) 7-5-94DESCRIPTION Wet flatwoods with some open areas but dense saw palmetto in others; narrow band of cypress in center. Appears cutover as few older pine.Helianthus carnosus along NW edge by SR100.NATURAL QUALITY B-COVERALL EVALUATION C- Orzell 11/93; CI Hipes 4/94P- GES 3/95 Helianthus carnosus on site

FLAG 002

Aerial survey on 6-2-94.

Wet flatwoods : numerous large slash pine ; very open canopy, grassy ground cover, sparse saw palmetto. Some areas of baygall, sparse cypress, narrow band. Trunks of pines appear blackened by fire on W side. Ditch along E side & S. side. Dirt road through middle, Appears to have been cutover in past.

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY Flagler # 3 CODE FL FLAG 003
 SITE NAME Dinner Island QUAD/CODE Dinner Island Combine w/ 2905154 4+6
 LOCATION T 11S R 29E SECT. 4, 5, 6, 7, 8, 9, 16, 17, 18, 19, 20, 21, 28, 29, 30, 31
125 29E 3, 4
pencil for site boundaries Burnell 2908115

POTENTIAL FEATURE Extensive hydro hammock Basin Swamp

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD 3808-4-15, 4-16, 4-17, Flown 4-6-89
 PD 4116-4-16 → 4-23 Flown 2-19-93
 5-16 → 5-23 Flown 2-18-93

SOILS PHOTO # _____ SOIL TYPE _____

INITIAL GROUND SURVEY SUMMARY

EVALUATOR GES DATE(S) 7-12-94, 7-14-94
 DESCRIPTION Large basin swamp with a relatively undisturbed center. Recent logging of pines on edges.

NATURAL QUALITY A-B

OVERALL EVALUATION P- Orzell 11/93 PA - Hipps 4/94

FLAG 003

Aerial survey on 5-31-94.

Basin swamp with good diversity. Probably heavily timbered in 1940's (at least at the S end). Uniform canopy.

* Definitely qualifies.

Ditch on E side in Section 9.

Point

A

Some timber cutting. access by sand road that enters interior at this point.

More ditches and another sand road to the south, South end cut more heavily. E-W ditch marked on map; ^{Sections} 29, 30.

V

All pines at this point. Trees thin at N end - recent heavy cutting.

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY Flagler # 4 CODE FLFLAG 001
 SITE NAME Turkey Island QUAD/CODE 2908154 ^{Dinner Island} Considered with 003
 LOCATION T 10S R 29E SECT. 19, 20, 21, 28, 29, 30, 31, 32, 33 ^{and 006}
11S 29E 4, 5

peninsula 200 and added for size boundaries

Expansion 2908153

Dinner Island NE 2908152

2908164

POTENTIAL FEATURE Hydric Hammock

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD 3808-4-19; 4-20;

PD 4116-4-23 → 4-26, 5-23 → 24

Flown: 2-19-93

Flown 4-6-89

SOILS PHOTO # _____ SOIL TYPE _____

INITIAL GROUND SURVEY SUMMARY

EVALUATOR GES DATE(S) 9-30-94

DESCRIPTION Basin swamp covering about 1 square mile - little dist.
Appeared to have been logged around edges in recent times. ^{in center}
Deep canal along W edge of swamp may affect hydrology.
Surrounded by pine plantations.

NATURAL QUALITY B-C

OVERALL EVALUATION C-P? - Orzell 11/93 - ned to check quality

P - GES 3/95

FLAG 444 considered to be part of FLAG 443.

Aerial survey on 5-31-94.

This area needs a field survey - sections 29 & 30.

Ditch running E-W marked on map: sections 29, 30.

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY Flagler # 8 CODE FL FLAG 008

SITE NAME Bimini South Swamp QUAD/CODE Bunnell 2908143

LOCATION T 12S, R 29E . SECT. 14, 15, 21, 22
¹⁶ St Johns River 2908144

Site boundary adds pencil section 16

Photo 2-20 11, 12, 23

POTENTIAL FEATURE Hydric Hammock? Basin Swamp

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD 3808-5-13 Flown 4-6-89

PD 4116-5-14 Flown 2-18-93

SOILS PHOTO # _____ SOIL TYPE _____

INITIAL GROUND SURVEY SUMMARY

EVALUATOR GES DATE(S) 7-5-94

DESCRIPTION Basin swamp with few cypress.

Logged in past.

NATURAL QUALITY C

OVERALL EVALUATION C? - Orzell 11/93 CI Hips 4/94

FLAG 008

aerial survey on 5-31-94.

Center - baygall, mature trees.

No ditches evident.

marginally qualifies.

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY Flagler # 10 CODE FL FLAG 010SITE NAME Middle Hawk Creek QUAD/CODE Codus Corner 2908133
Bunnell 2908143LOCATION T 13S , R 29E . SECT. 11, 12, 13, 37
13S 30E 7, 18, 19, 20, 28, 29, 30, 31, 32, 33Site boundary adds T 13S R 29E 13S 30E
sections: 14, 24 21POTENTIAL FEATURE Wet Flatwoods Cabbage Palm - Slash Pine, dense

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD 4116-6-10, 7-07, 7-08, 7-09 Florum 2-18-937-07, 8-05, 8-07, 8-08, 8-09, 8-10, 8-11, 8-12, 8-13, 8-14, 8-15, 8-16, 8-17, 8-18, 8-19, 8-20, 8-21, 8-22, 8-23, 8-24, 8-25, 8-26, 8-27, 8-28, 8-29, 8-30, 8-31, 8-32, 8-33, 8-34, 8-35, 8-36, 8-37, 8-38, 8-39, 8-40, 8-41, 8-42, 8-43, 8-44, 8-45, 8-46, 8-47, 8-48, 8-49, 8-50, 8-51, 8-52, 8-53, 8-54, 8-55, 8-56, 8-57, 8-58, 8-59, 8-60, 8-61, 8-62, 8-63, 8-64, 8-65, 8-66, 8-67, 8-68, 8-69, 8-70, 8-71, 8-72, 8-73, 8-74, 8-75, 8-76, 8-77, 8-78, 8-79, 8-80, 8-81, 8-82, 8-83, 8-84, 8-85, 8-86, 8-87, 8-88, 8-89, 8-90, 8-91, 8-92, 8-93, 8-94, 8-95, 8-96, 8-97, 8-98, 8-99, 8-1008-05 - 8-07

SOILS PHOTO # _____ SOIL TYPE _____

INITIAL GROUND SURVEY SUMMARY

EVALUATOR GES DATE(S) 7-7-94, 7-13-94DESCRIPTION Floodplain swamp along creek, cabbage palm/oak
hammock, wet flatwoods. Cattle grazing - cleared areas.
Parts of creek channelized.NATURAL QUALITY COVERALL EVALUATION P? - Orzell 11/93; PA Hipes 4/94

FLAG 010

Aerial Survey 5-31-94

Point

A Small area of older trees.
SW corner - ragged canopy.

B Young, immature trees. ~~Some~~ planted pines.
South of B: cabbage palms.

C Cattle grazing.

NW & SE of CR 304 bridge: wet flatwoods with open canopy.

NW of C: large area of clearcut timber.

Large clearing between C & D - utility R.O.W.? 10' x 10'

Between C & clearcut: Mexic flatwoods, palmetto understory, 40-50 year old pines, large area of controlled burning.

P-GES 3/95 PA DLH 4-1794

TIGER BAY

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY Flagler # 11 CODE FL FLAG 011
 SITE NAME Espanola Cemetery QUAD/CODE Espanola 2905153
Bunnell 2905143
 LOCATION T 12S, R 29E, SECT. 1, 2, 11, 12
11S 29E 35, 36
11S 30E 37
12S 30E 6, 7

Site boundary across Section 5 T 12S, R 30E

SW of Espanola

POTENTIAL FEATURE Wet Flatwoods / Basin Swamp

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD 4116-6-18, 7A-05

Flown 2-18-93

SOILS PHOTO # _____ SOIL TYPE _____

INITIAL GROUND SURVEY SUMMARY

EVALUATOR GES DATE(S) 7-15-94

DESCRIPTION Basin swamp disturbed by logging on edges.

NATURAL QUALITY B-C

OVERALL EVALUATION C-P? - Orzell 11/93; PA Hipes 4/94

FLAG 011

aerial survey on 5-31-94.

Point

Much of PVA appears to be mesic flatwoods managed for pine.

N-S sand road, another road goes W.

A * Baygall - good woods : qualifies ~ Grade B,
- east of clearcut

B Cypress / hardwood strand

clearcut and agricultural fields to west.

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY Flagler # 12 CODE FL FLAG 1/2SITE NAME Tank Lake QUAD/CODE Esplanada 2908153LOCATION T 11S, R 29E SECT. 13, 14, 24, 25
11S 30E 19, 30Site boundary adds section 23 + 11S R 29ENW of EsplanadaPOTENTIAL FEATURE Swamp Lake
Upland natural lakes. Some clearcuts included,
Some natural vegetation around lakes

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD 4116-6-21 & 6-20 Floren 2-18-93

and survey: Roll 1, frame 3-25

SOILS PHOTO # _____ SOIL TYPE _____

INITIAL GROUND SURVEY SUMMARY

EVALUATOR GES DATE(S) 7-14-94DESCRIPTION Three lakes of more than 40 acres each
are surrounded by areas of mature scrub, cutover flatwoods,
and (basin swamp) baygall.NATURAL QUALITY B-C good diversityOVERALL EVALUATION P1- Orzell 11/93 ? PA Hipos 4/94

FLAG #12

Aerial Survey on 5-31-94.

Upland sandhill lakes EO's possible:

Tank Lake ground disturbed at SW end
by dirt road

Black Lake Baygall all along west side

Speckled Perch Lake at N end - clearcut all around lake at
N end of PNA, Bordered by narrow band of hardwoods.

✓ Field survey: ^{Point on map}
X - at SW corner of Black Lake

C - sand pine scrub S of scoured area
SW of Tank Lake; bordered by
powerline on W and sand road on E
(Section 25).

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY Flagler # 13 CODE FL FLAG 013SITE NAME Esperanza QUAD/CODE 2908153LOCATION T 11S, R 29E, SECT. 22, 23, 26, 27POTENTIAL FEATURE Unsure could be wet flatwoods - cabbage palm - pure flatwoods

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD 4116-6-20 Flown 2-18-93

SOILS PHOTO # _____ SOIL TYPE _____

INITIAL GROUND SURVEY SUMMARY

EVALUATOR _____ DATE(S) _____

DESCRIPTION _____

NATURAL QUALITY _____

OVERALL EVALUATION C - Orzell 11/93 CI - Hipes

FLAG #13

Aerial survey on 5-31-94.

Did not fly over.

P-65 5/95 PA? ALH 4-18-94

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY Flagler # 14 CODE FL FLAG 014

SITE NAME Black Branch QUAD/CODE Bunnell 2908143

LOCATION T 12S , R 30E . SECT. 13, 14, 16, 17, 18, 19, 20, 21, 22, 23, 24, 26, 29
13S 30E 31, 32, 33, 34
12S 29E 3, 4, 5, 8, 9, 10, 15, 16
13S 29E 25, 26, 34, 35, 36

SW of Bunnell

POTENTIAL FEATURE Cypress? swamp

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD 4116-7-12

From 2/893

5-13, 6-13, 7-09, 7-13, 7A.03

2-11, 5-12, 9-13, 9-15

SOILS PHOTO # _____ SOIL TYPE _____

INITIAL GROUND SURVEY SUMMARY

EVALUATOR GES DATE(S) 7-6-94

DESCRIPTION Extensive ^{floodplain} strand swamp system connecting
basin swamps. Some areas more disturbed than others by
logging, cattle, etc.

NATURAL QUALITY C?

OVERALL EVALUATION C - Orzell 11/93; PA - Hipes 4/94
↓
depending on effect of ditching

FLAG #14

Aerial Survey 5-31-94

Point

West Half by SR 11.

S end not qualified: sections 8, 9, 15 & 16

A

Many cabbage palms, large cypress along creeks, dense canopy, narrow corridor. Water in creeks but can't detect flow.

B_s Immature, even age canopy - possible hydric hammock.

✓ Good access from N end @ SR ~~20~~¹⁰⁰ - Black Point Swamp.

C

Young, immature trees.

B_N

Pine plantation.

Basically a strand swamp, with some swamps in places.

Boundary narrower than indicated on PNA map.

Surrounded by pine plantations. Clearcutting of pine up to cypress edge. Quality declines towards N end.

✓ Check A-B_s area along SR 11.

East Half divided by US 1.

Recent logging (heavily cut) E of US 1 for 1/4 mile.

✓ Mature swamp with closed canopy to E of logging & N of square reservoir; many cypress. Access road coming in from E. PNA not qualified N of this road.

2 age swamp NE of square reservoir - young and mature trees.

FLAG #14 (continued)

SE between CR 304 and SR 11.

* 2-age swamp, rim dominated by Sabal,
center mature swamp with 80% canopy cover,
cypress 50-80% cover, Hydric hammock(?)
grading into hardwood swamp.

Sabal appear to be a logging relic - probably mixed
composition, loggers left Sabal.

SE of SR 11 (NW corner Section 5) is a depression
marsh with Spartina lutea and possibly Cladium
(about 1/8 mile E of SR 11). Open, tall pine to E
and continuing for ~ 1 mile, Sabal subcanopy, grass ground cover.
Area to N: logged out pine.

S end: sloughs or marshes with spatterdock, white
pond lilies, and willows on fringe.

Forested area to S not qualified,

Bain Swamp - Baden Point Swamp

+ 135R30E

13 205

14 35

24 160

100

Floodplain Swamp

25

100

FBI Sep 12

1 240

9 200

20 185

1 90

22 60

23 100

28 30

30 205

31 25

32 240

33 245

+ 135R30E

25

770

- 125R40E

25 135

26 215

25

25

25

25

C - GES 3/95

TIGER BAY

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY Flagler # 15 CODE FL FLAG 415SITE NAME Little Black Branch QUAD/CODE Bunnell 2908143LOCATION T 12S, R 30E . SECT. 21, 22, 27, 28SW of BunnellPOTENTIAL FEATURE Natural sawgrass? marsh in sec 28, slash ^{or older plantation} pine (natural?) stand
swampy in eastern 1/2 of site check vegetation at site

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD 4116-8-11, 8-12 Floor 2-18-93

SOILS PHOTO # _____ SOIL TYPE _____

INITIAL GROUND SURVEY SUMMARY

EVALUATOR GES DATE(S) 7-6-94DESCRIPTION Mosaic of mesic and wet flatwoods mixed
with depression marshes. Disturbed by cattle, pine
plantation.NATURAL QUALITY COVERALL EVALUATION P? - Orzell 11/93

FLAG 015

Aerial survey on 5-31-94.

Ragged canopy of hardwoods and planted pine west of powerline cut N of PVA 14.

IN PNA14
TO SOUTH

* ~~Best location~~ at SW corner of site - continuous closed canopy, relatively even age cypress ~ 90 years old. Qualifies in this area.

FLAG 015

Mosaic of wet and mesic flatwoods with a number of ✓ large depression marshes. The center area has 90% pine canopy, isolated patches of saw palmetto, mostly grass ground cover.

Marshes probably dominated by Amphicarpum or Panicum hemitomon. [No - Cladium jamaicense instead: 7-7-94].

Note: 50% Sabal, 20% pine, 30% hardwood. Jeep road snakes N-S through the center of the site.

P-GES 3/95

TIGER BAY

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY Flagler # 16 CODE FL FLAG 4/6
 SITE NAME Bunnell QUAD/CODE 2908143 2908153
 LOCATION T 11S, R 30E, SECT. 3, 4, 5, 8, 9, 10, 11, 15, 16, 21, 22, 27, 28, 33, 34
10S 30E 18, 19, 20, 29, 30, 31, 32, 27, 34

N of Bunnell

POTENTIAL FEATURE Flatwoods some plantation grading into cypress-hardwood
swamp; flood plain swamp

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD 4116-8-16; 8-17; 8-18; 8-19; 8-20; 8-21; Flown 2-18-93
7A-11

SOILS PHOTO # _____ SOIL TYPE _____

INITIAL GROUND SURVEY SUMMARY

EVALUATOR GES DATE(S) 6-30-94

DESCRIPTION Basin swamp with good canopy cover and
size of trees.
Many drier areas cutover flatwoods.
Helianthus carnosus growing on site.

NATURAL QUALITY B-COVERALL EVALUATION C - Orzell 11/93; PA Hips 7/94P-GES 3/95 Helianthus carnosus on site.

FLAG #16

Aerial Survey on 5-31-94.

North end: hydric hammock(?) with 50-60% canopy cover, increasing in density to SE, even age trees, probably not more than 50 years old. Few Sabal this far N.

- ✓ Better woods start 0.5 mile N of improved dirt road which crosses PNA. Sample N & S of this road.

Open area of baygall and mesic flatwoods S of industrial park along the E side of railroad. Canopy thin to real open and *not qualified to S & SE.

~~East~~
West of railroad at S end: $\frac{1}{2}$ hardwood / $\frac{1}{2}$ slash pine with 50-70% canopy cover - not too remarkable woods. Canopy becomes real open N of powerline heading W-NW from the N reservoir.

- ✓ Elder woods E of railroad tracks ~ $\frac{1}{2}$ mile S of industrial area - 100% canopy.

- ✓ 2 miles S of industrial park: 50% canopy of slash pines with a grass ground cover. Access probably from dirt road west of tracks.

S end: open, mesic flatwoods similar to above area.

C-GES 3/95

CZ WLR 4-18-94
+IGEP 6/94

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

7

COUNTY Flagler # 17 CODE FL FLAG 017SITE NAME Hulett Branch ^{Flatwoods} QUAD/CODE Espanola 2908153LOCATION T 10S, R 30E .SECT. 21, 22 Dinner Island NE 2908163POTENTIAL FEATURE Open, mesic Flatwoods? small size

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD 4116-8-23

Flora 2-18-93

SOILS PHOTO # _____ SOIL TYPE _____

INITIAL GROUND SURVEY SUMMARY

EVALUATOR GES DATE(S) 6-30-94DESCRIPTION Mesic flatwoods in good condition but dense understory of saw palmetto. Small size: 80 acres E and 40 acres W separated by US1. Needs to be burned but subdivision lying to the S will make that difficult.NATURAL QUALITY Grade B-C : low diversityOVERALL EVALUATION P-Orcell 11/93; CZ WLR 4/94C - GES 3/95 - small site of less than 150 acres

FLAG #17

Aerial Survey on 5-31-94.

Mesic flatwoods - 50% slash pine canopy, 75+ %
saw palmetto. Even age trees. Needs burning -
very thick palmetto.

Easy access from US 1.

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY Flagler # 18 CODE PZ FLAG DR
 SITE NAME Old Kings Road North QUAD/CODE Dinner Island NE 2908163
 LOCATION T 10S, R 30E, SECT. 9, 10, 11

Soft Pellicer Creek

11 and 12 Old Kings Road

POTENTIAL FEATURE Scrub or scrubby flatwoods (cut-over)
very disturbed

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD 4116-8-24, 8-25 Flown 2-18-93

SOILS PHOTO # _____ SOIL TYPE _____

INITIAL GROUND SURVEY SUMMARY

EVALUATOR GES DATE(S) 6-30-94

DESCRIPTION Cutover W of I-95. Not qualified inside Tiger Bay
study area boundary.

NATURAL QUALITY D

OVERALL EVALUATION C-P? - Orzell 11/93 Most of site is
cut over - CI Hipes 4/94

FLAG #18

Aerial survey on 5-31-94.

Most of site burned about 2 years ago with a crown fire. Timbering operation has put skid roads everywhere. Some areas appear to be replanted with pine.

✓ S end has a large depression marsh with a wooded boundary all around. A wet prairie lies in the central western part, dominated by Spartina latifolia (50+ % cover). West part is a floating marsh. Marsh grades in cypress swamp at S end. This area lies on the border between sections 10 & 15,

Cutover W of I-95.

Not qualified inside Tiger Bay boundaries.

C-GES 3/95

TIGER BAY

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY Flagler # 19 CODE FL FLAG 49SITE NAME Lake Swamp QUAD/CODE Favoretta 2908/32LOCATION T 13S, R 31E . SECT. 19, 20, 21, 28, 29, 30, 31, 32, 33, 34
14S 31E 3, 4, 5SE corner of countyboundaries are approximate, location as seen aerialPOTENTIAL FEATURE Swampy lake with very intricate wetland mosaic

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD 4116-9-08, 10-08Flown 2-18-934

SOILS PHOTO # _____ SOIL TYPE _____

aerial
INITIAL ~~GROUND~~ SURVEY SUMMARYEVALUATOR GES DATE(S) 5-31-94DESCRIPTION Mesic and wet flatwoods heavily disturbed by
recent logging.NATURAL QUALITY not qualifiedOVERALL EVALUATION P-Orzell 11/93; C-GES 3/95

FLAG Ø19

Aerial survey on 5-31-94.

Recent heavy duty logging at N end.

Mesic areas of flatwoods heavily logged.

Wet areas of flatwoods have an understory of Syonia,
also disturbed by logging.

Vast area of no real promise - PNAS 19 & 29 similar.

* Not qualified *

P- GES 3/95

8/11 - 040

TIGER EAY

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY Flagler # 20 CODE FL FLAG 020
SITE NAME Gore Lake QUAD/CODE Flagler Beach West 2908142
LOCATION T 12S, R 31E, SECT. 7, 8, 16, 17, 18

SE part plantation

POTENTIAL FEATURE Lake natural lake with several distinct vegetation
zones, scrub? next to runway Wet flatwoods may be present
SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD 4116-~~4116~~ 10-14 Flown 2-18-93

SOILS PHOTO # _____ SOIL TYPE _____

INITIAL GROUND SURVEY SUMMARY

EVALUATOR GES DATE(S) 7-8-94

DESCRIPTION Overgrown mesic flatwoods (some planted pine) with
dense saw palmetto understory. Gore Lake has sawgrass marsh
on N end.

NATURAL QUALITY B-C needs running

OVERALL EVALUATION P - Orzell 11/93; RA Hipes 4/94

FLAG 020

aerial survey on 5-31-94.

Flagler County Airport at Bunnell.

- ✓ Dore Lake - blackwater lake west of airport;
zone of Typha (?) at N end, shrub swamp with many
dead trees. S end of lake: sawgrass swamp with
10% pine canopy. Vegetation here early successional
probably due to high water levels killing hardwoods.

Rest of area is mesic flatwoods with thick saw-palmetto
indicating a lack of burning.

SW of runway: 80% pine cover, thick palmetto - overgrown
mesic flatwoods. * Not qualifying in present condition.

Cleared triangle to NE: 90% pine cover.

NE of runway: open slash pine.

Wide ditch borders S end of PNA.

- ✓ Best area SE & S of E end of Runway 29 (main E-W runway)

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY Flagler # 22 CODE FL FLAG 022
SITE NAME Eagle Rock Ranch QUAD/CODE Favoretta 2908132
Flagler Beach West 2908142
LOCATION T 13S, R 31E . SECT. 3, 4, 5, 6, 7, 8, 9, 10, 15, 16, 21, 22

POTENTIAL FEATURE Fair mesic Flatwoods, does not appear to be outstanding

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD 4116-11-09; 11-10

Flown 2-18-93

SOILS PHOTO # _____ SOIL TYPE _____

INITIAL GROUND SURVEY SUMMARY

EVALUATOR GES DATE(S) 7-8-94

DESCRIPTION Mesic flatwoods with dense saw palmetto - some old slash pines. Scattered areas of cabbage palm/oak hammocks, cypress domes. Wet areas drained by numerous ditches.

NATURAL QUALITY B-C

OVERALL EVALUATION C - Orzell 11/93; Hipes 4/94

^{CI}

FLAG 022

Aerial survey on 6-2-94.

NE corner just W of I-95 is a residential development 3/4 mile wide and extending S along the east side of the PNA - bounded by powerline R.O.W.

Large canal runs N-S through the center of the PNA.

This area is mainly mesic flatwoods with scattered cypress domes. Nothing noteworthy seen in survey.

The flatwoods opposite the reservoir on the W side of US 1 (in Section 9) have large pines with dense saw palmetto understory.

✓ Small areas of recent burning at N end along Old Dixie Highway should be checked.

C-GES 7/95

CI - ALH - 4-17-94

T 13

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM (ADDITIONAL)

COUNTY Flagler # 24 CODE FL ^{FLAG} 024SITE NAME White Oak, Branch QUAD/CODE St. Johns Park 2908144LOCATION T 12S, R 29E, SECT. 1, 12, 11, 45

12S	29E	6
11S	29E	31

POTENTIAL FEATURE Bottomland forest

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: 4116-3-05Flown 2-19-93

SOILS PHOTO # _____ SOIL TYPE _____

INITIAL GROUND SURVEY SUMMARY

EVALUATOR GES DATE(S) 7-14-94DESCRIPTION Narrow band of floodplain swamp bordered by
cutover pine plantations on both sides.NATURAL QUALITY DOVERALL EVALUATION CI - Hipe's

C - GES 3/95

FLAG Ø24

aerial survey on 6-2-94.

Narrow band of floodplain swamp bordered by
cutover pine plantations on both sides.

E of SR 20: Numerous pine, few cypress - narrow
corridor, low quality.

Agricultural fields to S.

Channel is a ditch instead of stream.

* Not qualified.

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY Flagler # 25 CODE A Flagler 025SITE NAME Lake Diston South QUAD/CODE Seville 2908134LOCATION T 14S, R 29E, SECT. 20, 21 29, 30Site boundary adds Pecos RoadSW corner of countyPOTENTIAL FEATURE Agri. Swamp

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PDY116-4-02 ; Flown 2-19-93

SOILS PHOTO # _____ SOIL TYPE _____

INITIAL GROUND SURVEY SUMMARY

EVALUATOR GES DATE(S) 9-14-94

DESCRIPTION High species diversity and numerous large trees in
floodplain swamp about 0.5 mile wide and 1.0^{mile} long N-S.
Joins Lake Diston at its S end. Pasture and planted pines
border the swamp.

NATURAL QUALITY A-BOVERALL EVALUATION CI - H/ces 4/94

FLAG Ø25

aerial survey on 6-2-94.

East: very narrow band of cypress to NE
with pine plantations on all sides

Section 20: baygall

C- GES 3/95

CI - OLH 4-17-94

TIGER EAY

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY Flagler # 026 CODE FL FLAG - 026SITE NAME Little Hawk Creek North QUAD/CODE Cody's Corner 2908133LOCATION T 14S, R 29E, SECT. 2, 3, 11, 14, 15, 16, 22, 23, 24SW corner of countyPOTENTIAL FEATURE Brush Swamp

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: 4116-5-045-03-75-05Flown 2-18-936-03 (E. of SR 11)

SOILS PHOTO # _____ SOIL TYPE _____

INITIAL GROUND SURVEY SUMMARY

EVALUATOR GES DATE(S) 7-13-94, 8-18-94DESCRIPTION East of SR 11 - floodplain swamp lacking
large trees or many cypress.
Section 22 has basin swamp in good condition with cypress
to 16" DBH and 40-50' tall.NATURAL QUALITY B-COVERALL EVALUATION CI - 11/1/93 4-17-94

Aerial Survey on 5-31-94,

East of SR 11, Section 13 cleared over large area.
Not qualified.

6-2-94

East edge - cleared areas mixed with pockets of scattered
cypress & pine, Agricultural fields along the W side of SR 11.

Cypress unevenage with many pines throughout.

Area bisected by roads.

SW of CR 305: pine intermixed with cypress and
hardwoods, palmetto understory, bisected by roads -
marginal quality.

Section 15: very narrow band of cypress

C-GES 3/95 CE - DLW - 4-18-94

TIGER BA

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY Flagler # 27 CODE FL FLAG 027

SITE NAME Espanola East Swamp QUAD/CODE Espanola 2908153
Bunnell 2908143

LOCATION T 11S , R 30E . SECT. 33, 33

~~125~~ 125 30E 4

NW of Bunnell

POTENTIAL FEATURE Basin Swamp

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD 4116-8-15-8-16. Flown 2-18-93

SOILS PHOTO # _____ SOIL TYPE _____

INITIAL GROUND SURVEY SUMMARY

EVALUATOR _____ DATE(S) _____

DESCRIPTION Small basin swamp; no large trees, numerous
old stumps of cypress.

NATURAL QUALITY B/C

OVERALL EVALUATION CE - 4/1/95 4/94 C - GES 3/95

FLAG 027

Aerial survey on 5-31-94.

N end: irregular shape, hardwood swamp, 60% canopy cover, even age, may have been logged ~40 years ago. Pine plantations surround swamp,

S end: baygall, SE corner 50% Gordonia grading into cypress to the W; all age structure, complete canopy closure. Poor age wise but good composition. Probably barely qualifies as EO.

CI - 2A 4-17-74

C - GCS 3/93 TIGER B.

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY Flagler # 28 CODE FL FLAG 028

SITE NAME Honey Hill QUAD/CODE Escondido 2908153

LOCATION T 11S . R 29E . SECT. 10, 11, 14, 15

POTENTIAL FEATURE Basin Swamp

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: 4116-5-19

PD 4116 - 6-22 Flown: 2-18-93

SOILS PHOTO # _____ SOIL TYPE _____

INITIAL GROUND SURVEY SUMMARY

EVALUATOR _____ DATE(S) _____

DESCRIPTION _____

NATURAL QUALITY _____

OVERALL EVALUATION CI Hips 4-17-94

FLAG #28

airial survey on 5-31-94.

area dominated by slash pine - possible wet flatwoods.
surrounded by bay.

Qualifies? - Grade B possible.

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY Flagler # 29 CODE ALAL029SITE NAME Hull Cypress Swamp QUAD/CODE Favoretta 2908132LOCATION T 135 R 30E SECT. 1, 12
145 31E 6, 7, 8, 17, 18, 19, 20SE corner of countyPOTENTIAL FEATURE Basin Swamp

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD 416 10-4, 10-5 Flown 2-18-93

SOILS PHOTO # _____ SOIL TYPE _____

aerial
INITIAL GROUND SURVEY SUMMARYEVALUATOR GES DATE(S) 5-31-94DESCRIPTION Young immature cypress swamp impacted
by logging in recent past. Large canal through
center drains siteNATURAL QUALITY not qualifiedOVERALL EVALUATION PA Hipes C-GES 3/95Recent logging has downgraded site.

FLAG 029

Aerial survey on 5-31-94.

Young, immature cypress swamp impacted by logging
in recent past.

* Not qualified.

CI - DLH 4-18-94

N - GES 3/95 TIGER BAY

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY Flagler # 30 CODE FL FLAG 030

SITE NAME Krona West QUAD/CODE Flagler Beach West 290814

LOCATION T 13S. R 30E. SECT. 1

POTENTIAL FEATURE Cut flatwoods (cutover, but somewhat natural looking)

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD 4116 - 7-11

Flora: 2-18-93

SOILS PHOTO # _____ SOIL TYPE _____

^{aerial}
INITIAL ~~GROUND~~ SURVEY SUMMARY

EVALUATOR GES DATE(S) 5-31-94

DESCRIPTION Cutover flatwoods and pine plantations.

NATURAL QUALITY Not qualified. D

OVERALL EVALUATION CI HIPEJ 4/94

N - GES 3/95 Recently cutover.

FLAG 030

Aerial survey on 5-31-94.

Unable to confirm location - whole area appears to
be cutover flatwoods and *not qualified.

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY Flagler # 3X CODE FL FLAG032
SITE NAME Korona QUAD/CODE Flagler Beach West 2908142
Favarella 2908132
LOCATION T. 13 S. R. 3 E. SECT. 5, 6, 7, 8, 16, 17

POTENTIAL FEATURE Basta Swamp - surrounding area catover

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: 4116-10-9¹⁰⁻⁹ → 10-11 Flown 2-18-93

SOILS PHOTO # _____ SOIL TYPE _____

INITIAL GROUND SURVEY SUMMARY

EVALUATOR _____ DATE(S) _____

DESCRIPTION _____

NATURAL QUALITY _____

OVERALL EVALUATION CI - Hines 4/94

FLAG #32

Aerial survey on 5-31-94.

Strand swamp impacted by logging in the past.

N END

E side: heavily logged for cypress; sawgrass and shrub understory. Not qualified here.

✓ W side: strand swamp still intact but only 50% canopy cover.

CENTER

Reservoir on W side of US1 (tear-drop shape).
The area to W once clearcut! solid Cladium
ground cover with quite young cypress and few pine,
even age trees.

SOUTH END

Young swamp with selective cutting along road.
Not qualified here.

Marginally qualified due to logging.

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY St. Johns # 2 CODE FL STJO 002SITE NAME Hastings Deep Creek QUAD/CODE Hastings 2908165 8puds 2908165
Edilton/2908174, Riverdale/LOCATION T 9S , R 28E . SECT. 5, 6, 7, 8, 9, 14, 15, 16, 21, 22, 27, 37, 26,
38, 34, 35T 8S 28E SECT 19, 20, 29, 30, 31, 329S 28E SECT 5, 6Hastings Deep Creek SE of SR 207Site boundary: T 9S R 28E 15, 16, 21, 22, 26, 27, 34, 35, 37, 38POTENTIAL FEATURE Very nice,
High-quality, hydric hammock? gradient into
floodplain swamp sec 29 uplandSOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHERPhoto: PD 3807-05-08, 5-10 From 11-3-88
6-86.PD 4123-5-9, 5-10, 5-11, 5-12 on 2-23-936-5 → 6-8, 6-9, 6-10 "SOILS PHOTO # 44, 40 SOIL TYPE 36, 66, 68, 21

INITIAL GROUND SURVEY SUMMARY

EVALUATOR GES DATE(S) 6-29-94DESCRIPTION SE of SR 207: Floodplain swamp with good diversity
but lacking large trees. Surrounded by agricultural fields which
have ditches draining into swamp.NATURAL QUALITY Grade B-C for area SE of SR 207.Grade A for area NW of SR 207.OVERALL EVALUATION P- Orzell 11/93. P- GES 3/95Extensive high quality floodplain swamp NW of SR 207.

STJO 002

Aerial survey on 5-31-94.

SE OF
SR 207

Mesic flatwoods with 70% pine canopy and heavy cover of saw palmetto, to E

- W end mostly hardwoods - young trees, uneven canopy. Apparently heavy selective logging at one point.
- Stream pretty wide - floodplain swamp not significant - cypress strand extends only a few feet on either side of creek.

Probably ~~not~~ qualified as few mature trees.

NW OF

SR 207

Deep Creek north of Hastings

* Excellent quality ^{hydric hammock/} floodplain swamp covering 8+ square miles. Many old, large trees.

= A quality!

Open water in Deep Creek, becoming closed canopy to SE, many large cypress.

N end

Standing water on ground, canopy thinner, scattered cypress, not as old. A 100 acre parcel in Section 29 cut over, saw palmetto groundcover, few young pines.

E side

Huge old cypress stick above other trees, many snags. Many birds: osprey, swallow-tail kites, eagles.

* Eagle nest in large pine N end of Section 29(?).

Observed more than half a dozen osprey nests, probably many more.

Large trees in E arm of PNA - Section 4 & 9.

Thick canopy, many slash pine, cypress, hardwoods, very diverse.

SE corner Sect. 4 cut over, few large snags, most trees very small.

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY St. Johns # 12 CODE FL STJO 4/2SITE NAME Flagler Estates RAUD QUAD/CODE Spuds 2908/64LOCATION T10S, R28E, SECT. 1, 2, 3, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17POTENTIAL FEATURE Gridded Flatwoods, some very open areas

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD 3807-6-02, 6-03 Flown 11-3-88

PD 4123-

6-01 → 6-03

Flown 2-19-93

7-01 → 7-05

SOILS PHOTO # 48, 49, 51 SOIL TYPE 65, 68, 58, 21, 61, 9

INITIAL GROUND SURVEY SUMMARY

EVALUATOR GES DATE(S) 6-29-94DESCRIPTION Sparsely canopied flatwoods gridded with roads and canals. Few houses; most of roads unpaved and grass covered. Most Trees young; weedy groundcover.NATURAL QUALITY Grade D.OVERALL EVALUATION C - Orzell 11/93 N - GES 3/95

STJO 012

Aerial survey on 5-31-94.

Flagler Estates - Numerous roads and ditches form a grid.

- slash pine thick in some areas, hardwoods in others.
- mostly young trees in N end
- E end: thin pines with grassy (25%) ground cover but gridded with roads

* Not qualified.

6-2-94

N end: very few houses, young trees, few old pines, thin canopy, saw palmetto common in some areas

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY St. Johns # 13 CODE FL STJO 013
SITE NAME Spuds Flatwoods QUAD/CODE Spuds 2908164
LOCATION T 9S, R 28E, SECT. 14, 15,

POTENTIAL FEATURE Forested ?? includes some clearings

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD 3807-7-07, 6-08 Flown 11-3-88
PD 4123 - 6-07, 7-09-7-10 Flown 2-19-93

SOILS PHOTO # 44, 40 SOIL TYPE 46, 47, 65

INITIAL GROUND SURVEY SUMMARY

EVALUATOR GES DATE(S) 6-29-94

DESCRIPTION Overgrown wet and mesic flatwoods. No old growth timber. Appears unburned for some time. Drained by ditches.

NATURAL QUALITY Grade C.

OVERALL EVALUATION C - Orzell 11/93; C - GES 3/95

STJO 013

Aerial survey on 5-31-94.

North of SR 206 : 13-N

Overgrown mesic flatwoods with a high percentage of hardwoods. Fragmented landscape - apparently many different ownerships and management histories.

* Not qualified.

✓ Small block of 90% pine canopy in extreme SW corner of PNA (Section 10) - W of N-S dirt road.

South of SR 206 : 13-S

Wet and mesic flatwoods - solid pine surround field in center (60% pine canopy). Some saw palmetto but mostly other shrubs. Heavy palmetto with pine canopy just N of S boundary.

- ✓ - Largest pines 1/4 mile SE of SE corner of agricultural field.
- Young hardwoods in SW corner.
- 2 dirt roads cross PNA.
- No fence at S end - no evidence of recent grazing.
- Dug pond S of SE corner.

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY St. Johns # 14 CODE FL STJD 014SITE NAME Tomball Creek QUAD/CODE Bakersville 2908184LOCATION T 6S, R 28E SECT. 38POTENTIAL FEATURE Flatwoods & swamp, some cleared in eastern part

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD 3807-6-19 Flown 11-7-88

PD 4123-6-20-76-21 Flown 2-19-93

SOILS PHOTO # 19, 23 SOIL TYPE 48, 58, 63, 47, 41, 65, 69, 3

INITIAL GROUND SURVEY SUMMARY

EVALUATOR GES DATE(S) 6-28-94DESCRIPTION Very young trees along SR 16 - slash pines 10-15' tall, mixed with hardwoods. NW corner converted to pine plantation.NATURAL QUALITY Not qualified as very young trees.
Grade C-D.OVERALL EVALUATION C-Pi - Orzell 11/93 C-GES 3/95

STJO 014

Aerial Survey on 5-31-94.

Furrowed on W & S sides - old pine plantation?

Existing woods of regrowth hardwoods - ragged canopy.

* Not qualified.

C- GES 3/95

Tiger Bay

713

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY St. Johns # 16 CODE FL STJO 016

SITE NAME Squirrel Hill QUAD/CODE Elkton/2908174

LOCATION T 8S, R 28E, SECT. 11, 14

POTENTIAL FEATURE Could be nice flatwoods

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: DA 3807-7-12 Floorn 11-3-88

PD 4123-7-14 .. 2-19-93
7-13-15

SOILS PHOTO # 31 SOIL TYPE 19.46, 65

INITIAL GROUND SURVEY SUMMARY

EVALUATOR _____ DATE(S) _____

DESCRIPTION _____

NATURAL QUALITY _____

OVERALL EVALUATION C-P?- Orzell 11/93, rank as "P" if high-quality
flatwoods C- GES 3/95 (small size)

STJO 16

Aerial survey on 5-31-94.

Wet flatwoods(?) with 50-60% pine canopy, uniform,
95% slash pine canopy in some areas.

- N & NE bounded by pine plantation.
- ^S~~N~~ & W open, burrowed land.
- S rectangle separated by dirt road & ditch -
* not qualified.
- site surrounded by fence - grazed by cattle?
- access will be difficult due to fence.

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY St. Johns # 18 CODE FL STJO 418SITE NAME Turkey Island North QUAD/CODE Spuds 2908164LOCATION T 10S , R 29E . SECT. 8, 9, 10, 15, 16, 17, 18Dinner Island NE 2908163POTENTIAL FEATURE Flatwoods & hydric hammock, Basin Swamp in
center. Pine plantations on edges.

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD 3807-8-02 Flown 11-7-88PD 4123-8-01 → 8-03 & 9-01-79-03 Flown 2-18-93* 9-02FLAGLER CO. PD 4116-4-26 & 5-23SOILS PHOTO # 49, 51 SOIL TYPE 36, 46, 47, 9

INITIAL GROUND SURVEY SUMMARY

EVALUATOR _____ DATE(S) _____

DESCRIPTION _____

NATURAL QUALITY _____

OVERALL EVALUATION C-P? - Orzell 11/93. P-GES 3/95 - part
of Dinner Island Big Cypress Swamp site with FLAG 43 & 4.

STJO 018

Aerial Survey on 5-31-94.

Point

A South end - uniform young growth of mixed composition:
about 33% pines. Marginal quality.

B North end - young growth, more pines (about 50%),

* Recent logging - this area not qualified.

North end of PNA shaped by logging road.

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY St. Johns # 19 CODE FL STJO 419SITE NAME Trestle Bay Swamp QUAD/CODE Bakersville/2908184, Elberton/2908174LOCATION T 75, R 29E SECT. 29, 30, 31, 32, 33T 75 R 29E SECT. 7, 18, 19, 20, 29, 32, 33
30

Photos	T	R	S
2-1, 2 852			
2-3, 4 851	75	28E	1, 12
Site boundaries:	75	29E	6-7, 17-20, 29-33
	85	29E	4-5, 8-9, 16

POTENTIAL FEATURE Hydric hammock of large dense trees?

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD 3807-8-13 Flown 11-7-88
8-14PD 4123-8-13 → 8-19 Flown 2-19-93SOILS PHOTO # 24, 28, 32 SOIL TYPE 2C, 30, 13, 3, 7, 35, 11, 18, 8

INITIAL GROUND SURVEY SUMMARY

EVALUATOR GES DATE(S) 6-28-94DESCRIPTION Basin swamp of good diversity with mesic and wet flatwoods on edges. Site covers an area 5 miles long by 0.5-1.0 mile wide.NATURAL QUALITY Grade B.OVERALL EVALUATION C-Orzell 11/93; C-GES 3/95

STJO 019

Aerial Survey on 5-31-94.

North end starts by industrial building:

- 90% canopy cover - 50% hardwood/pine mix
- cross E-W sand road - 75% canopy cover
- cross another E-W road with grassy margins - uniform, immature trees
- S of radio tower - canopy more uneven, gaps

* Not qualified 1/4 mile N & S of powerline - old logging N and new logging S.

South End - cross CR 214 (access here)

* ✓ 100% canopy to SE of CR 214, laygall narrows at road. 70 year old trees - primarily Gordonia

- hardwood basin swamp at a point E of large metal barn.

Point A

- mesic flatwoods S of railroad - add to PNA.
and narrow cypress strand

- Uneven canopy E of Triangular reservoir.

- landfill site: small area of old cypress to NE

* - mesic flatwoods of good quality lies E of swamp E of landfill (better than at Point A).

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY St. Johns # 24 A CODE FL STJO 024
 SITE NAME Little Fish Tail Swamp QUAD/CODE Dinner Island NE/2908163
 LOCATION T 9S, R 29E, SECT. 2, 10, 11, 13, 14, 23, 24, 25, 26, 36

Champion

2000+ acre swamp

POTENTIAL FEATURE Some fair to poor flatwoods, hydric hammock, Baygall, Basin Swamp

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD 3807-10-4, 10-5, 10-6

PD 4123-10-04 → 10-09

Flown 2-18-93. Flown 11-7-88

* cut-over flatwoods ridge basin swamps

SOILS PHOTO # 42, 46, 50 SOIL TYPE 25, 41, 36

INITIAL GROUND SURVEY SUMMARY

EVALUATOR GES DATE(S) 9-29-94

DESCRIPTION Long narrow basin swamp up to 0.5 mi E-W and 4 mi N-S. Baygall along edges and some slightly elevated areas had hydric hammock. Some areas in good condition with large trees. Bordering upland ridges covered with pine plantations - some areas clearcut.

NATURAL QUALITY B in better areas but very narrow system.

OVERALL EVALUATION C - Orzell 11/93; P - GES 3/95

Center of site in good condition with large trees.

STJO 024

Aerial survey on 5-31-94.

South end (Sections 36 & 1) not qualified - all planted pine with clearcuts on E & W sides.

Cypress Strand has just about been eliminated.

East $\frac{1}{2}$ of Section 25 has large pine mixed with bay.

* Directly west of rest area on I-95, large cypress - biggest yet seen in this survey (Section 13).

Access could be by dirt road running N-S about $\frac{1}{4}$ mile W of PNA boundary. Road junction marked on map (Section 23).

Also marked creek (Sections 13 & 14) that runs under sand road out of swamp.

76:

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY St Johns # 40 CODE FLSTJ0040

SITE NAME Bia Fish Tail Swamp QUAD/CODE _____

LOCATION T 19S, R 29E . SECT. 6, 7, 16-21, 29-30

POTENTIAL FEATURE Basin swamp, Hydric Hammock, flatwoods, bordered by pine plantations and clearcuts.

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD 4123-8-06 to 8-10 Flown 2-19-93

SOILS PHOTO # _____ SOIL TYPE _____

INITIAL GROUND SURVEY SUMMARY

EVALUATOR _____ DATE(S) _____

DESCRIPTION _____

NATURAL QUALITY _____

DRILL EVALUATION CI - GES 2-95

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY St Johns # 42 CODE STJ0042

SITE NAME _____ QUAD/CODE _____

LOCATION T 19S, R 29E, SECT. 22, 23, 26-28, 33-35

POTENTIAL FEATURE Basin Swamp, Hydric Hammock
Some logging on edges, pine plantations separate wet areas

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD4123-9-04 to 9-06 Flown 2-18-93

SOILS PHOTO # _____ SOIL TYPE _____

INITIAL GROUND SURVEY SUMMARY

EVALUATOR _____ DATE(S) _____

DESCRIPTION _____

NATURAL QUALITY _____

OVERALL EVALUATION CI: GES 2-95

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY Volusia # 6 CODE FL VOLU 000SITE NAME Robert's Lake - Cowart's Lake QUAD/CODE _____

LOCATION T _____ R _____ SECT. _____

POTENTIAL FEATURE Upland lakes margins fairly intact, uplands above
Cowart's Lake are cleared ^{for Robert's Lake}

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD 4038-4-16 Flow- 3-3-92

SOILS PHOTO # _____ SOIL TYPE _____

INITIAL GROUND SURVEY SUMMARY

EVALUATOR _____ DATE(S) _____

DESCRIPTION _____

NATURAL QUALITY _____

OVERALL EVALUATION C - Drzell 4/94

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY Volusia # 7 CODE FL VOLU 007

SITE NAME _____ QUAD/CODE _____

LOCATION T _____, R _____, SECT. _____

POTENTIAL FEATURE Basin Swamp - Hydric Hummock; includes some plantation

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD4038-4-17 Flow 3-392

SOILS PHOTO # _____ SOIL TYPE _____

INITIAL GROUND SURVEY SUMMARY

EVALUATOR _____ DATE(S) _____

DESCRIPTION _____

NATURAL QUALITY _____

OVERALL EVALUATION C- Orzell 4/94 - KN 4/15/94

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY Volusia # 8 CODE FL VOLU 008
 SITE NAME Haw Creek / Crescent Lake South QUAD/CODE Seville 2908134
 LOCATION T 13 S, R 28 E, SECT. 11, 12, 13, 14, 15, 16, 22, 23, 24, 25
13S 29E 7, 18

	T	R	S
Haw Creek	13S	28E	1, 10-17, 21-26, 35-36
Site Boundaries			

POTENTIAL FEATURE Hydriz hammock, adjacent to Haw Creek
SOR acquisition site
 SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER
 Photo: PD 4038-4-19 Flown 3-3-92
PD 4038-3A-07 " "
PD 4038-5-20 " "

SOILS PHOTO # 1, 2, 5, 9 SOIL TYPE 10, 26, 51, 53, 55, 64, 65

INITIAL GROUND SURVEY SUMMARY

EVALUATOR GES DATE(S) 10-13-94

DESCRIPTION Large basin swamp and marsh with hydric hammocks on edges - all in good condition. Upland areas covered with pine plantations. One large area of xeric hammock in center of Section 22.

NATURAL QUALITY A-B

OVERALL EVALUATION P- Orzell 4/94 NE Volu is incl. in GFC Strategic Habitat Plan

Vol 108

Aerial survey on 10-18-94.

Extensive swamp system in good to excellent condition. Large basin marsh dominated by sawgrass (Cecidium) and cinnamon fern (Osmunda) - fern turning brown from cold weather, especially abundant at east end of marsh. Scattered Myrica in marsh but little woody vegetation. Large cypress and hardwoods along south edge of Crescent Lake.

Cutover scrub ridges at south end may be worth checking for rare species.

St Johns Park 22-26

Basin Marsh 1450

T 135 R 28 E

12	13	13	12	15	22	23	24
55	115	300	330	120	55	115	55

T 135 29 E - FLD 500000

7 18

175 110

12

135

Basin Marsh 2300

STP 175 300 330 390 30 170 115 110

24

Seville 160 200 250 250 130 360 200

2755

Hydric Hammock 380 acres

13	24	25
20	210	150

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY Volusia # 9 CODE FL VOLU 009
 SITE NAME Shaw Lake QUAD/CODE Levitt 2408134 Pierson 2908124
 LOCATION T 14 S, R 29 E . SECT. 29, 30, 31, 32, 33
 Site Boundaries: 14 S 28 E 34 35 36 Code 14 corner 2902133
15 S 28 E 1 Take 14 S 2902133
15 S 29 E 3-6, 7, 8, 17

POTENTIAL FEATURE Hydriz hammock?; xeric uplands; see also next page
 NW portion incl. ^{along} dried up depression surrounded by xeric uplands - some houses, tried to exclude
 pockets of planted pine (prob. sand pine) throughout - uplands look disturbed. Big (± 4000 ac) but distant
 SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER too high or high rain
 Photo: PD 4038-5-13; 5-14; From 3-3-92 present
4-11, 5-13-5-15, 6-16, 6-17 rank # 1

SOILS PHOTO # 13, 21 SOIL TYPE 4, 8, 27, 29, 30, 32, 37, 51, 56

INITIAL GROUND SURVEY SUMMARY

EVALUATOR GES DATE(S) 9-14 & 9-15-94
 DESCRIPTION Mosaic of scrub ridges, baygalls, depression
marshes and flatwoods. Some areas of planted pines & cleared
Numerous jeep trails cross PNA.

NATURAL QUALITY B-C

ERALL EVALUATION C-P? Orzell 4/94

Aerial survey on 10-18-94.

Lots of logging activity on site. Scrub south of Sam Lake recently cleared. Flatwoods north of Sam Lake cutover, also area on west side of large baygall in section 3 - loggers have cut most of the way around this baygall.

Some areas of planted sand pine.

Many sandy roads cross site.

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY Volusia # 10 CODE FL VOLU 44

SITE NAME Sawgrass Bay QUAD/CODE Seville 2908134

LOCATION T 14S, R 28E . SECT. 1, 2, 3, 10, 11, 12, 13, 14, 15, 16, 21, 22, 23, 24, 25

Site boundaries 13S 28E 34, 35

add pencil: 14S 29E 18, 19

POTENTIAL FEATURE Hydric hammock, wet flatwoods

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD 4038-5-16 Flown 3-3-92

4-14-16, 5-16-75-18

SOILS PHOTO # 8, 9, 13 SOIL TYPE 27, 33, 34, 51, 56, 66

INITIAL GROUND SURVEY SUMMARY

EVALUATOR GES DATE(S) 9-15-94

DESCRIPTION Series of ^{narrow} baygalls and basin swamps connected by narrow wetlands and extending east to Lake Disston. Uplands converted to pasture, pine plantation, or fern nurseries.

NATURAL QUALITY B-C

OVERALL EVALUATION C- Orzech 4/94

Vol 10

aerial survey on 10-18-94

wetlands narrow with uplands cleared or planted with, is
or pasture grasses. Numerous large fern shade houses.

Good quality longleaf at north end south of CR 305 -
recent logging on West edge.

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY Volusia # 12 CODE FL VOLU 012
 SITE NAME Barberry - Deep Creek QUAD/CODE Pierson Lake Dias 2908124
 LOCATION T 14S R 29E SECT. 35, 36 23, 25, 27, 28, 33
15S 29E 1, 2, 3, 11, 12, 13, 14, 15, 16, 17, 20, 21, 22, 23, 24, 26, 27
15S 30E 6, 7, 18, 19

POTENTIAL FEATURE Basin Swamp some old growth timber in parts
 KN - + Cypress strand, basin marsh (?) & Hydric Hammock - Some pine plantation
 (strand swamp)
 SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD 4038-6-13 & 6-14 → 6-16 from 1-21-92

7-19 → 7-21 → 7-24 ; 8-26 & 8-27

SOILS PHOTO # 14, 21, 22, 28 SOIL TYPE 27, 56, 8, 29, 37, 50, 57, 62, 66, 75

INITIAL GROUND SURVEY SUMMARY

EVALUATOR GES DATE(S) 8-19, 8-23, 8-24, 9-13, 9-14-94

DESCRIPTION Large and diverse area of wetlands separated by pine plantations. The basin swamp and basin marsh south of SR 40 appeared to be in good condition. Baygall and basin swamp north of SR 40 also little disturbed. Much clearcutting of pines on upland sites.

NATURAL QUALITY B-C (A-B in larger wetland areas)

OVERALL EVALUATION P - Orzell 4/94

N - Site comprises large blocks (5-600 ac) connected by forested creeks with planted sand pine in between the "fingers." Connected to Lake George SW by a very narrow corridor that must include lanes & a railroad. Probably doesn't qualify as a p. (?)

VOL 12

Aerial survey on 10-18-94.

Basin Marsh south of SR 40 being invaded by Acer rubrum in large numbers - turning red now.

Planted pines getting large in most areas south of SR 40.

Clearcutting of pines north of SR 40.

		DATE DIED	REASON	COLLECTOR
VOL 12	BG	155029E	2	2, 3
	BM		23, 26	22, 23, 26, 27
	BSB	145029E	34SW-344	
	BS1	145029E	26, 35, 36	26
		155029E	1, 2, 11, 12	2, 3
		155030E	6	-
	BS2	155029E	23, 24, 26	21, 22, 23, 26, 27
	BS3	155029E	-	9, 10, 15, 16
	EW5	155029E	-	14, 22, 23
	FPS	155029E	11, 14	-
	HH	155029E	-	16, 21
	MF	145029E	26, 35	-
		145029E	34	-
	SCB	155029E	1, 2	-
	SB AGP	145029E	34 NW4SW4	-

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY Volusia # 16 CODE FL VOLU 416

SITE NAME Dan George Lake QUAD/CODE Lake Dias 2908123

LOCATION T 15S . R 30E . SECT. ⁵¹⁶ 7 8, 17, 18
_{5. con-soic}

POTENTIAL FEATURE Old-growth timber along southern & western shoreline
longleaf pine ? live Srawn tract?

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD 4038-8-24 2.25 Flora 1-21-92

SOILS PHOTO # _____ SOIL TYPE _____

INITIAL GROUND SURVEY SUMMARY

EVALUATOR GES DATE(S) 8-24-94

DESCRIPTION Swamp Lake surrounded by baygall with
some large trees but disturbed by past logging. Planted
pinos on uplands N and W of baygall.

NATURAL QUALITY B-C baygall appears intact around lake
on aerial photos

OVERALL EVALUATION P- Orzell 4/94 just at 500 ac, surrounded
by ag & silviculture

Vol 16

Aerial survey on 10-18-94.

West side of Dan George Lake has baygall with
large Gordonia. North of lake planted pines.

Fern operation at the southeast side of the lake has
access to lake via grassy road.

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY Volusia # 21 CODE FL VOLU 021SITE NAME Little Hawk Creek QUAD/CODE Daytona Beach SW 2908112LOCATION T 14S, R 29E 14S 30E 30, 31 34, 37 Daytona Beach NW 2908122T 15S R 30E SECT. 4, 5, 8, 9, 10, 14, 15, 16, 21, 22, 23, 24, 25-28, Cody's Corner 2908123T 16S R 30E SECT. 3, 7, 11, 12, 13, 14, 23, 24, 25, 26 2908133T 16S R 31E SECT. 5, 6, 7, 8, 15, 19-21, 28-30, 31-34T 17S R 31E SECT. 4-8, 18Just east of SR 11, from the Flagler County line south to I-4.POTENTIAL FEATURE Extensive area of Floodplain swamp; +500+ acres

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD 4038-8-26 → 8-28 Flown 1-21-929-22 thru 9-24, 9-25, ~~9-26~~, ~~9-27~~10-14, 10-17 thru ~~10-21~~ 10-2411-16 → 11-23 12A-11SOILS PHOTO # 14, 22, 23, 29, 30, 38, 46, 47, 53, 54 SOIL TYPE 27, 56, 64, 66, 73, 75, 23

INITIAL GROUND SURVEY SUMMARY

EVALUATOR GES DATE(S) 8-25, 9-8, 9-9-94DESCRIPTION Long (16 miles N-S) and narrow (0.25-2.0 miles E-W) corridor along Little Hawk Creek. Heavy cutting of pines on edges at N & S ends. Some good areas of floodplain swamp and cypress swamp, as well as hydric hammock E of Lake Dias.NATURAL QUALITY B-C (A-B in some locations)OVERALL EVALUATION P-Orzell 4/94

area or
section (marked on map)

Aerial survey on 5-31-94.

- A Forest managed for pines. Eastern boundary delineated by pine plantation. Young cypress in strand with occasionally domes of older cypress between pines.
- B cypress/hardwoods
- C Mixed cypress and hardwoods. Uneven canopy - Trees of all ages.
North of C: Cut over, canopy gaps, not qualified.
- * Cypress 30-50% canopy - Grade C at best.
Best looking woods: Sect 36 & 37.
- = PNA quality diminishes - all pines, heavily cut.
- 5 Not qualified.

SOUTH OF Deep Creek
US 92

- East side: south of powerline - mesic flatwoods over large areas; Serenoa / Lyonia understory; good burn management.
- * Sections 20, 28, 29: swamp with even canopy, 80% cover, sawgrass and multilayered shrub understory, Sabal in some areas - high quality areas. Large depression marshes to south, sawgrass dominated; vehicle ruts in southern most ones.

Section 8 (?) heading NW Litoria bayhead grading into mesic flatwoods with signs of burning & old logging roads.

10-18-94 Extensive clearcutting at south end (North of I-4) on both sides of narrow swamp with tall cypress.

Good quality floodplain swamp east of Lake Dier - clearcuts in flatwoods on uplands (few cypress).

75

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY Volusia # 42 CODE FL VOLU 442

SITE NAME Little Tiger Bay QUAD/CODE Daytona Beach NW 2908122
28, 29, 31, 0 Daytona Beach SW 2908112

LOCATION T 15S, R 31E . SECT. 32, 33

16S 31E 3, 4, 5, 8, 9,

West of Tiger Bay N. 1/4 4592

POTENTIAL FEATURE Hydriz hammock, basin swamp

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD 4038-12A-14, 15 flown 3-2-92

SOILS PHOTO # 31, 39 SOIL TYPE 56, 66, 51, 59, 75, 49, 32, 60, 37, 66

INITIAL GROUND SURVEY SUMMARY

EVALUATOR GES DATE(S) 8-25-94

DESCRIPTION Basin swamp of irregular shape extending 2.5 miles
N-S and 0.5 mile E-W. No evidence of recent logging in
swamp. Most of surrounding flatwoods converted to pine
plantations - some of which had been recently clearcut.

NATURAL QUALITY B

OVERALL EVALUATION C - Orzell 4/94

VOLU Ø 42

Aerial survey on 5-31-94.

This PNA is a mosaic of managed pines, baygalls, hardwood swamps, cypress domes and strands, rare depression marshes.

Could connect all strands and domes together to make one EO but it would be graded B-C at best,

Boundaries between bayheads and hardwood swamps are indistinct and not worth mapping.

State of FL
E sec 12 & 13 Daytona

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY Volusia # 41 CODE FZ VOLU 041

SITE NAME Tiger Bay QUAD/CODE Daytona Beach SW 2908112

LOCATION T 15S, R 31E . SECT. 23, 26, 25 Daytona Beach 2908121

T 16S R 31E SECT. 2, 3, 9, 10, 11, 12, 13-16, 22-27 Daytona Beach NW 2908122

2000+ acres swamp

POTENTIAL FEATURE Some old-growth pine in islands above swampy area
wetlands, outstanding in section 13, 14, 12

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD 4028-12A-12 from 1-21-92
13-21, 13-22, 13-23

SOILS PHOTO # 31, 39, 40, 47 SOIL TYPE 56, 49, 32, 29, 51, 17, 19

INITIAL GROUND SURVEY SUMMARY

EVALUATOR _____ DATE(S) _____

DESCRIPTION _____

NATURAL QUALITY _____

OVERALL EVALUATION P-Orzell 4/94

VOL 41

Aerial survey on 5-31-94.

- * Scoggin Lake - well buffered blackwater lake with heavy grass/sedge border, abrupt gradient: narrow herbaceous boundary or marsh.
- SW corner: 70% lay canopy. W: 30% cover of young lay, shrub understory, ^{1/8 mile} N: mature timber in narrow strand.
- NE: dead trees; old logging road into area, covered with palmetto, NW of dead trees: open canopy - 50% tree mortality.

Coon Prairie - basin marsh with thin sawgrass(?), scattered cypress, some Spartina latifolia.

Logging in flatwoods to the S.

- Indian Lake - N end has a natural looking sand margin. Heavy ORV impact at S end. SW - hardwood/baygall. West side - mature Gordonia grading into pine/^{regrowth} hardwoods and mesic flatwoods as you go W. NW from lake corner - Gordonia strand. N of lake - flatwoods thinned by logging. * Check for rare species at N end of lake.
- ✓ SE - sand pine scrub - no sub-canopy visible.

Area around Volusia County Jail not qualified.

VOLU 411

Aerial survey on 5-31-94 (continued).

SOUTH OF

US 92 * High quality area - few roads.

Dense hardwood swamp with 100% canopy cover of old trees (70-80 years old), 20% Gordonia, 50% cypress (Sections 11 & 14).

East side: good mesic / wet flatwoods with frequent cypress domes and few roads. Mesic areas need burning as thick palmettos dominate.

Section 13: wet flatwoods, appear to be serially stable, grading into basin marsh with cypress.

NORTH OF

US 92

Section 16: New planted pines along road going N. Occasional cypress domes; big dome E of road has 30% cover of cypress - appears unlogged since turn of the century. Ring of depression marshes.

Edge of some domes selectively logged - open canopy with lots of Cladium (?).

Boundaries between bayheads / hardwood swamps are indistinct - not worthwhile mapping.

Could connect all strands and domes in area to make one EO but would be graded B-C at best.

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY Volusia # 43 CODE FLVOLU 043

SITE NAME Middle Hawk Creek QUAD/CODE Daytona Beach NW 2908122

LOCATION T 14S, R 31E, SECT. 28, 29, 32, 33

15S 31E 2, 3, 4, 5, 9, 10, 15, 16

POTENTIAL FEATURE Moss flatwoods (a. trachin. s. t.) Low swampy hydric hammock, some scrub sec 10 & 3

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD 4038-12A-18 Flown 3-2-92
12A-19

SOILS PHOTO # 16, 24 SOIL TYPE 17, 32, 27, 56, 29, 57, 49

INITIAL GROUND SURVEY SUMMARY

EVALUATOR _____ DATE(S) _____

DESCRIPTION _____

NATURAL QUALITY _____

OVERALL EVALUATION C-P? Orzell 4/94 need to access natural quality first

ilw

Voluø43

aerial survey on 5-31-94.

Did not fly over.

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY Volusia # 44 CODE FL VOLU 44

SITE NAME Bennett Field West QUAD/CODE Daytona Beach NW 2908122

LOCATION T 15S, R 31E, SECT. 14, 23

POTENTIAL FEATURE Scrub? - scrubby flatland - Jack for Deer. rupestris

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD4538-12A-18 Flown 7-2-92

SOILS PHOTO # 24.31 SOIL TYPE 17.32.60.61.29

INITIAL GROUND SURVEY SUMMARY

EVALUATOR _____ DATE(S) _____

DESCRIPTION _____

NATURAL QUALITY _____

OVERALL EVALUATION P- Orzell 4/94

Vol 44

Aerial survey on 5-31-94.

Appears to be cutover flatwoods.

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY Volusia # 49 CODE FLVOLU 049

SITE NAME Gator Head East QUAD/CODE Daytona Beach NW 2908122

LOCATION T 14S, R 31E, SECT. 27, 28, 29, 34, 35 Favoretta 2908132

15S 31E 1, 2, 11, 12

S of SR 40, 3 mile W of I-95

POTENTIAL FEATURE Dune Swamps & fairly open Flatwoods, parts are selective cut, but still some open Flatwoods

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD 4038-13-27 Flora 1-21-92

SOILS PHOTO # 16, 24 SOIL TYPE 27, 49, 51, 56, 75

INITIAL GROUND SURVEY SUMMARY

EVALUATOR _____ DATE(S) _____

DESCRIPTION _____

NATURAL QUALITY _____

OVERALL EVALUATION P- Orzell 4/94

VOL 49

aerial survey on 5-31-94.

N. END

Wide open mesic flatwoods, thin pine cover.

Some depression marshes with light cypress cover
surrounded by mesic flatwoods with 10% pine cover
(about 1 mile S of SR 40).

Section 2

Logging N of road. S of road: 60% mesic/40% wet
flatwoods. Local areas of heavy logging.

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY Volusia # 54 CODE FL Volu 054

SITE NAME 3300th Swamp QUAD/CODE Daytona Beach 2908121

LOCATION T 15S, R 31E, SECT. 1, 12, 13, 23, 24, 25
Daytona Beach NW 2908122

<u>15S</u>	<u>32E</u>	<u>6, 7, 8, 17, 18, 19, 20, 29, 30, 31, 32-34</u>
<u>16S</u>	<u>32E</u>	<u>3, 4, 5</u>

W of Daytona

POTENTIAL FEATURE Some heavy cottonwood parts of swamps, some plantation & some area of fairly intact flatwoods/swamps best part!!!

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER hatched in north part of 1-21-72 area

Photo: PD 4038-14-22 thru 25

Flora

SOILS PHOTO # 24, 25, 31, 32 SOIL TYPE 56, 49, 53, 51, 1719, 29, 60
40

INITIAL GROUND SURVEY SUMMARY

EVALUATOR _____ DATE(S) _____

DESCRIPTION _____

NATURAL QUALITY _____

OVERALL EVALUATION C - Orzell 4/94 northern hatched part of site could be "A"?

VOL 54

Aerial survey on 5-31-94.

SOUTH OF

US 92

Young immature swamp. No river channel evident.
* Low quality mesic flatwoods over a large area.
Small burn W of bridge at I-4.

NORTH OF

US 92

Baygall just N of US 92 in Section 32.

Wet flatwoods to N with 85% pine cover.

N end, S of powerline: large open areas
"dry prairie".

Creek branch is a very narrow strand swamp with
timber cutting on both sides.

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY Volusia # 55 CODE FZ VOLU 055

SITE NAME Tomoka River QUAD/CODE Daytona Beach 2908121

LOCATION T 14S, R 31E . SECT. 35, 36 Daytona Beach NW 2908122
Favetta 3905132

14S 32E 31
15S 32E 4, 5, 6, 8, 9, 16, 17, 20, 21, 22, 27

400 acres floodplain river

POTENTIAL FEATURE Scrub - small size

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD 4038-14-27 Flora 1-21-92
14-26 - 14-28

SOILS PHOTO # 17, 25, 32 SOIL TYPE 23, 63, 65, 30, 13, 63

INITIAL GROUND SURVEY SUMMARY

EVALUATOR _____ DATE(S) _____

DESCRIPTION _____

NATURAL QUALITY _____

OVERALL EVALUATION P? - Orzell 4/94

PHOTOS. 1-7, 1-8 - aerial survey

VOLUME 55

Aerial survey on 5-31-94.

N END * Good quality floodplain / hardwood swamp along Tomoka River just W of I-95, from SR 410 south to the new 11th Street extension which crosses I-95.

✓ Small patches of scrub near river.

S of 11th St: wet flatwoods, many logging roads. Young swamp continues S of powerline. Cutting of flatwoods up to edge of swamp.

Area E of golf course: swamp with young, immature trees, uneven canopy, S to square reservoir. Strand turns into mesic flatwoods with 75% cover of palmetto. Large area of managed pines 2-4 miles N of US 92; sections 20, 21, 28, 29 recently cutover up to wetter pine / hardwood area to W. No evidence of water in Tomoka River this far south.

N EST

Uniform mesic flatwoods west of new road (11th Street) and football stadium. No recent logging.

Dirt road heads W at water tower and storage tanks. Cypress along edge of road.

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY Volusia # 56 CODE FL VOLU 056

SITE NAME National Gardens South QUAD/CODE Ormond Beach 2908131
Favoretti 2908132

LOCATION T 14S, R 31E, SECT. 1, 2, 11

POTENTIAL FEATURE Misc Flatwoods, basin swamp, dome swamp

old-growth timber - sect 1 & 11 ditched in part

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD4038-14-31 Flown 1-2-92
14-32

SOILS PHOTO # 10 SOIL TYPE 25, 32, 49, 45, 51, 50, 33

INITIAL GROUND SURVEY SUMMARY

EVALUATOR _____ DATE(S) _____

DESCRIPTION _____

NATURAL QUALITY _____

OVERALL EVALUATION C-P? - Orzell 4/94 ditching could reduce natural
quality rating of old-growth parts from "P" to a "C" rank - needs field checking

VOLU #56

Aerial survey of 5-31-94.

WEST OF
I-95

Narrow strips of natural vegetation remain between
extensive logged out areas.

* Not Qualified.

EAST OF
I-95

NOT IN TIGER BAY STUDY AREA

Pine flatwoods - 50% wet / 50% mesic.

Section 1 has a good condition grass groundcover
with < 50% saw palmetto.

Access by I-95 frontage road.

* Good quality.

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY Volusia # 57 CODE FL VOLU 057

SITE NAME Island Gardens North QUAD/CODE Favarella 2908132

LOCATION T 13S, R 31E .SECT. 13, 14, 23, 24, 25

POTENTIAL FEATURE Disturbed by gridding in past - check vegetation area could be of conservation interest

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD 4038-14-35 Flora 1-21-92
15-34

SOILS PHOTO # 3, 6 SOIL TYPE 32, 29, 56 8, 27 17

INITIAL GROUND SURVEY SUMMARY

EVALUATOR _____ DATE(S) _____

DESCRIPTION _____

NATURAL QUALITY _____

OVERALL EVALUATION C - Orzell 4/94

VOLU #57

Aerial survey on 5-31-94,

WEST OF
I-95

Mesic flatwoods: slash pine and locally thick
saw palmetto,

Crown fire burned area at N end - 100% mortality
of pine, surrounded by fire lane. 40% pine cover
just S of burn.

Older pine N & NE of clearing along the W side of PNA
has > 80% saw palmetto understory - needs to burn.
Pines look ready for logging.

N-NW of burn is an upland pine / hardwood hammock,

Ditch crosses site 1/4 mile N of US 1.

✓ Botanize around burned area; rest of site has uniform habitat.

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY Volusia # 73 CODE FL Vol 4 p 73

SITE NAME Bennett Field north QUAD/CODE Daytona Beach NW 290812.2

LOCATION T 15 S. R 31 E . SECT. 10, 11, 12, 13, 14, 15, 22, 23

POTENTIAL FEATURE _____

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

? Photo: 13-26, 12A-18

SOILS PHOTO # 24, 31 SOIL TYPE 17, 19, 56, 60, 61, 29

INITIAL GROUND SURVEY SUMMARY

EVALUATOR _____ DATE(S) _____

DESCRIPTION _____

NATURAL QUALITY _____

OVERALL EVALUATION _____

VOLU 073

Aerial survey on 5-31-94.

No detailed notes.

EAST Flatwoods with areas of heavy logging.

CENTER Swamp

WEST Clearcut mesic flatwoods

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY Volusia # 76 CODE FL Volu 076

SITE NAME Cowart Hammock QUAD/CODE _____

LOCATION T _____ R _____ SECT. _____

POTENTIAL FEATURE Hydrin Hammock ~160ac surrounded by agricult
+ separated from STRAND land by hiway + railroad.

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD 4038-4-15 flown 3/3/92

SOILS PHOTO # _____ SOIL TYPE _____

INITIAL GROUND SURVEY SUMMARY

EVALUATOR _____ DATE(S) _____

DESCRIPTION _____

NATURAL QUALITY _____

OVERALL EVALUATION CI - KN 4/15/94

NO Photo #

52

C

AFS

3/14/95

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY Volusia # 82 CODE FL VOLU 082

SITE NAME Groover Br. QUAD/CODE _____

LOCATION T _____ R _____ SECT. 6807 ch

* SW of Ormond Beach Airport

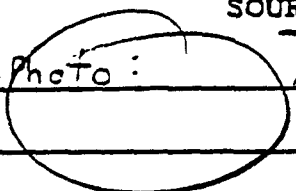
I-95 runs through middle of 2 rest areas, 2 borrow pits

POTENTIAL FEATURE Cypress domes / not so domey; some Hydric Hammock (?)

Small 240 ac ±

Flatwoods - looks wet; possible scrubby area in SE

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER corner (E 95)

Photo: 

4038-14-30

Almon 3-2-72

Thanks! AFS

SOILS PHOTO # _____ SOIL TYPE _____

INITIAL GROUND SURVEY SUMMARY

EVALUATOR _____ DATE(S) _____

DESCRIPTION _____

NATURAL QUALITY _____

OVERALL EVALUATION CI - KN - 4/27/94

+ N?

Appendix IV

FNAI Element Rank Explanation Sheet, Natural Community List and Description Sheet, Special Plants, Special Vertebrates, and Special Invertebrates Lists

Florida Natural Areas Inventory - Element Rank Explanations

FNAI global rank, FNAI state rank, federal status, and state status

March 1994

An element is any exemplary or rare component of the natural environment, such as a species, natural community, bird rookery, spring, sinkhole, cave, or other ecological feature. An element occurrence (EO) is a single extant habitat that sustains or otherwise contributes to the survival of a population or a distinct, self-sustaining example of a particular element. The major function of the Florida Natural Areas Inventory is to define the state's elements of natural diversity, then collect information about each element occurrence.

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

FNAI GLOBAL ELEMENT RANK (priority)

- G1** = Critically imperiled globally of extreme rarity (5 or fewer occurrences or less than 1000 individuals) or because of extreme vulnerability to extinction due to some natural or man-made factor.
- G2** = Imperiled globally because of rarity (6 to 20 occurrences or less than 3000 individuals) or because of vulnerability to extinction due to some natural or man-made factor.
- G3** = Either very rare and local throughout its range (21-100 occurrences or less than 10,000 individuals) or found locally in a restricted range or vulnerable to extinction of other factors.
- G4** = apparently secure globally (may be rare in parts of range)
- G5** = demonstrably secure globally
- GH** = of historical occurrence throughout its range, may be rediscovered (e.g., ivory-billed woodpecker)
- GX** = believed to be extinct throughout range
- GXC** = extirpated from the wild but still known from captivity/cultivation
- G#?** = tentative rank (e.g., G2?)
- G#G#** = range of rank; insufficient data to assign specific global rank (e.g.,

G2G3)

- G#T#** = rank of a taxonomic subgroup such as a subspecies or variety; the G portion of the rank refers to the entire species and the T portion refers to the specific subgroup; numbers have same definition as above (e.g., G3T1)
- G#Q** = rank of questionable species - ranked as species but questionable whether it is species or subspecies; numbers have same definition as above (e.g., G2Q)
- G#T#Q** = same as above, but validity as subspecies or variety is questioned.
- GU** = due to lack of information, no rank or range can be assigned (e.g., GUT2).
- G?** = not yet ranked (temporary)

FNAI STATE ELEMENT RANK (priority)

Definition parallels global element rank: substitute "S" for "G" in above global ranks, and "in Florida" for "globally" in above global rank definitions.

Additional state element ranks:

- SA** = accidental in Florida, i.e., not part of the established biota
- SE** = an exotic species established in Florida may be native elsewhere in North America
- SN** = regularly occurring, but widely and unreliably distributed; sites for conservation hard to determine

FEDERAL LEGAL STATUS (U. S. Fish and Wildlife Service- USFWS)

- 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.
- 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.
- PT** = Proposed for listing as Threatened Species.
- C1** = Candidate Species for addition to the list of Endangered and Threatened Wildlife and Plants, Category 1. Taxa for which the USFWS currently has substantial information on hand to support the biological appropriateness of proposing to list the species as endangered or threatened.
- C2** = Candidate Species, Category 2. Taxa for which information now in possession of the USFWS indicates that proposing to list the species as endangered or threatened is possibly appropriate, but for which conclusive data on biological vulnerability and threat(s) are not currently available to support proposed rules at this time.
- 3A** = Category 3A. Taxa which are no longer being considered for listing as endangered or threatened because of persuasive evidence of extinction.
- 3B** = Category 3B. Taxa which are no longer being considered for listing as endangered or threatened because the names do not represent taxa meeting the Endangered Species Act's definition of "species."
- 3C** = Category 3C. Taxa that have proven to be more abundant or widespread than was previously believed and/or those that are not subject to any identifiable threat.
- AC** = Agency Concern. Species which are not currently listed or candidates, but which are a matter of concern to the USFWS.
- LTSA** = Threatened due to similarity of appearance.
- N** = Not currently listed, nor currently being considered for addition to the List of endangered and Threatened Wildlife and Plants.

STATE LEGAL STATUS

Animals (Florida Game and Fresh Water Fish Commission- FGFWFC)

- LE** = Listed as Endangered Species by the FGFWFC. 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 FGFWFC. 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.
- LS** = Listed as Species of Special Concern by the FGFWFC. 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.
- N** = Not currently listed, nor currently being considered for listing.

Plants (Florida Department of Agriculture and Consumer Services- FDACS)

- 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.
- PT** = Proposed by the FDACS for listing as Threatened Plants.
- CE** = Listed as a Commercially Exploited Plant in the Preservation of Native Flora of Florida Act. Defined as species native to state which are subject to being removed in significant numbers from native habitats in the state and sold or transported for sale.
- PC** = Proposed by the FDACS for listing as Commercially Exploited Plants.
- (LT)** = Listed threatened as a member of a larger group but not specifically listed by species name.
- N** = Not currently listed, nor currently being considered for listing.

Florida Natural Areas Inventory - Natural Communities

FNAI global rank, FNAI state rank (see rank explanation sheet attached), community name

April 1994

TERRESTRIAL

Xeric Uplands

G2G3 S2 Sandhill
G2 S2 Scrub
G? S3 Xeric Hammock

Coastal Uplands

G4? S2 Beach Dune
G3? S2 Coastal Berm
G3 S2 Coastal Grassland
G3? S1 Coastal Rock Barren
G3? S2 Coastal Strand
G4 S3 Maritime Hammock
G3 S2 Shell Mound

Mesic Uplands

G? S2 Bluff
G3 S2 Slope Forest
G1 S1 Upland Glade
G? S3 Upland Hardwood Forest
G? S4 Upland Mixed Forest
G? S3 Upland Pine Forest

Rocklands

G1 S1 Pine Rockland
G? S2 Rockland Hammock
G? S2 Sinkhole

Mesic Flatlands

G2 S2 Dry Prairie
G? S4 Mesic Flatwoods
G4 S4 Prairie Hammock
G3 S3 Scrubby Flatwoods

PALUSTRINE

Wet Flatlands

G? S4? Hydric Hammock
G? S4? Marl Prairie
G? S4? Wet Flatwoods
G? S4? Wet Prairie

Seepage Wetlands

G4? S4? Baygall
G3? S2 Seepage Slope

Floodplain Wetlands

G4 S4? Bottomland Forest
G? S3 Floodplain Forest
G3? S2 Floodplain Marsh
G? S4? Floodplain Swamp
G3 S3 Freshwater Tidal Swamp
G4 S4? Slough
G4? S4? Strand Swamp
G4? S3 Swale

Basin Wetlands

G? S4? Basin Marsh
G4? S3 Basin Swamp
G? S3 Bog
G3 S2 Coastal Interdunal Swale
G4? S3 Depression Marsh
G4? S3? Dome Swamp

LACUSTRINE

G3 S2 Clastic Upland Lake
G2 S1 Coastal Dune Lake
G2 S1 Coastal Rockland Lake
G4? S3 Flatwoods/prairie Lake
G4 S4 Marsh Lake
G4? S2 River Floodplain Lake
G3 S2 Sandhill Upland Lake
G3 S3 Sinkhole Lake
G4 S3 Swamp Lake

RIVERINE

G4 S2 Alluvial Stream
G4 S2 Blackwater Stream
G4 S2 Seepage Stream
G2 S2 Spring-run Stream

SUBTERRANEAN

G3 S2 Aquatic Cave
G3 S1 Terrestrial Cave

Florida Natural Areas Inventory - Natural Communities

FNAI global rank, FNAI state rank (see rank explanation sheet attached), community name

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MARINE

Mineral Based

G3	S3	Marine Consolidated Substrate
G5	S5	Marine Unconsolidated Substrate

Faunal Based

G2	S1	Marine Coral Reef
G3	S3	Marine Mollusk Reef
G2	S1	Marine Octocoral Bed
G2	S2	Marine Sponge Bed
G1	S1	Marine Worm Reef

Floral Based

G3	S2	Marine Algal Bed
G2	S2	Marine Grass Bed
G4	S4	Marine Tidal Marsh
G3	S3	Marine Tidal Swamp

Composite Substrate

G3	S3	Marine Composite Substrate
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ESTUARINE

Mineral Based

G3	S3	Estuarine Consolidated Substrate
G5	S5	Estuarine Unconsolidated Substrate

Faunal Based

G2	S1	Estuarine Coral Reef
G3	S3	Estuarine Mollusk Reef
G2	S1	Estuarine Octocoral Bed
G2	S2	Estuarine Sponge Bed
G1	S1	Estuarine Worm Reef

Floral Based

G3	S2	Estuarine Algal Bed
G2	S2	Estuarine Grass Bed
G4	S4	Estuarine Tidal Marsh
G3	S3	Estuarine Tidal Swamp

Composite Substrate

G3	S3	Estuarine Composite Substrate
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FNAI Global Rank Summary*

	G1	G2	G3	G4	G5	G?
Terrestrial	2	3	7	3	0	8
Palustrine	0	0	4	8	0	8
Lacustrine	0	2	3	4	0	0
Riverine	0	1	0	3	0	0
Subterranean	0	0	2	0	0	0
Marine	1	4	5	1	1	0
Estuarine	1	4	5	1	1	0
	4	14	26	20	2	16

FNAI State Rank Summary*

	S1	S2	S3	S4	S5
Terrestrial	3	12	5	3	0
Palustrine	0	3	7	10	0
Lacustrine	2	3	3	1	0
Riverine	0	4	0	0	0
Subterranean	1	1	0	0	0
Marine	3	3	4	1	1
Estuarine	3	3	4	1	1
	12	29	23	16	2

* Compound Ranks (e.g., G2G3) are categorized according to their higher rank (i.e., lower number). For the purpose above, a ? after a numbered rank is ignored.

This summary presents the hierarchical classification and brief descriptions of 82 Natural Communities developed by Florida Natural Areas Inventory and identified as collectively constituting the original, natural biological associations of Florida. A Natural Community is defined as a distinct and reoccurring assemblage of populations of plants, animals, fungi and microorganisms naturally associated with each other and their physical environment. For more complete descriptions, see *Guide to the Natural Communities of Florida*, available from Florida Department of Natural Resources.

The levels of the hierarchy are:

NATURAL COMMUNITY CATEGORIES - defined by hydrology and vegetation.

NATURAL COMMUNITY GROUPS - defined by landform, substrate, and vegetation.

Natural Community Type - defined by landform and substrate; soil moisture condition; climate; fire; and characteristic vegetation.

TERRESTRIAL - Upland habitats dominated by plants which are not adapted to anaerobic soil conditions imposed by saturation or inundation for more than 10% of the growing season.

XERIC UPLANDS - very dry, deep, well-drained hills of sand with xeric-adapted vegetation.

Sandhill - upland with deep sand substrate; xeric; temperate; frequent fire (2-5 years); longleaf pine and/or turkey oak with wiregrass understory.

Scrub - old dune with deep fine sand substrate; xeric; temperate or subtropical; occasional or rare fire (20 - 80 years); sand pine and/or scrub oaks and/or rosemary and cladonia.

Xeric Hammock - upland with deep sand substrate; xeric-mesic; temperate or subtropical; rare or no fire; live oak and/or sand live oak and/or laurel oak and/or other oaks, sparkleberry, saw palmetto.

COASTAL UPLANDS - substrate and vegetation influenced primarily by such coastal (maritime) processes as erosion, deposition, salt spray, and storms.

Beach Dune - active coastal dune with sand substrate; xeric; temperate or subtropical; occasional or rare fire; sea oats and/or mixed salt-spray tolerant grasses and herbs.

Coastal Berm - old bar or storm debris with sand/shell substrate; xeric-mesic; subtropical or temperate; rare or no fire; buttonwood, mangroves, and/or mixed halophytic herbs and/or shrubs and trees.

Coastal Grassland - coastal flatland with sand substrate; xeric-mesic; subtropical or temperate; occasional fire; grasses, herbs, and shrubs with or without slash pine and/or cabbage palm.

Coastal Rock Barren - flatland with exposed limestone substrate; xeric; subtropical; no fire; algae, mixed halophytic herbs and grasses, and/or cacti and stunted shrubs and trees.

Coastal Strand - stabilized coastal dune with sand substrate; xeric; subtropical or temperate; occasional or rare fire; dense saw palmetto and/or seagrape and/or mixed stunted shrubs, yucca, and cacti.

Maritime Hammock - stabilized coastal dune with sand substrate; xeric-mesic; subtropical or temperate; rare or no fire; mixed hardwoods and/or live oak.

Shell Mound - Indian midden with shell substrate; xeric-mesic; subtropical or temperate; rare or no fire; mixed hardwoods.

MESIC UPLANDS - dry to moist hills of sand with varying amounts of clay, silt or organic material; diverse mixture of broadleaved and needleleaved temperate woody species.

Bluff - steep slope with rock, sand, and/or clay substrate; hydric-xeric; temperate; sparse grasses, herbs and shrubs.

Slope Forest - steep slope on bluff or in sheltered ravine; sand/clay substrate; mesic-hydric; temperate; rare or no fire; magnolia, beech, spruce pine, Shumard oak, Florida maple, mixed hardwoods.

Upland Glade - upland with calcareous rock and/or clay substrate; hydric-xeric; temperate; sparse mixed grasses and herbs with occasional stunted trees and shrubs, e.g., eastern red cedar.

Florida Natural Areas Inventory - Natural Communities

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Upland Hardwood Forest - upland with sand/clay and/or calcareous substrate; mesic; temperate; rare or no fire; spruce pine, magnolia, beech, pignut hickory, white oak, and mixed hardwoods.

Upland Mixed Forest - upland with sand/clay substrate; mesic; temperate; rare or no fire; loblolly pine and/or shortleaf pine and/or laurel oak and/or magnolia and spruce pine and/or mixed hardwoods.

Upland Pine Forest - upland with sand/clay substrate; mesic-xeric; temperate; frequent or occasional fire; longleaf pine and/or loblolly pine and/or shortleaf pine, southern red oak, wiregrass.

ROCKLANDS - low, generally flat limestone outcrops with tropical vegetation; or limestone exposed through karst activities with tropical or temperate vegetation.

Pine Rockland - flatland with exposed limestone substrate; mesic-xeric; subtropical; frequent fire; south Florida slash pine, palms and/or hardwoods, and mixed grasses and herbs.

Rockland Hammock - flatland with limestone substrate; mesic; subtropical; rare or no fire; mixed tropical hardwoods, often with live oak.

Sinkhole - karst feature with steep limestone walls; mesic-hydric; subtropical or temperate; no fire; ferns, herbs, shrubs, and hardwoods.

MESIC FLATLANDS - flat, moderately well-drained sandy substrates with admixture of organic material, often with a hard pan.

Dry Prairie - flatland with sand substrate; mesic-xeric; subtropical or temperate; annual or frequent fire; wiregrass, saw palmetto, and mixed grasses and herbs.

Mesic Flatwoods - flatland with sand substrate; mesic; subtropical or temperate; frequent fire; slash pine and/or longleaf pine with saw palmetto, gallberry and/or wiregrass or cutthroat grass understory.

Prairie Hammock - flatland with sand/organic soil over marl or limestone substrate; mesic; subtropical; occasional or rare fire; live oak and/or cabbage palm.

Scrubby Flatwoods - flatland with sand substrate; xeric-mesic; subtropical or temperate; occasional fire; longleaf pine or slash pine with scrub oaks and wiregrass understory.

PALUSTRINE - Wetlands dominated by plants adapted to anaerobic substrate conditions imposed by substrate saturation or inundation during 10% or more of the growing season. Includes nontidal wetlands; tidal wetlands with ocean derived salinities less than 0.5 ppt and dominance by salt-intolerant species; small (less than 8 ha), shallow (less than 2 m deep at low water) water bodies without wave-formed or bedrock shoreline; and inland brackish or saline wetlands.

WET FLATLANDS - flat, poorly drained sand, marl or limestone substrates.

Hydric Hammock - lowland with sand/clay/organic soil, often over limestone; mesic-hydric; subtropical or temperate; rare or no fire; water oak, cabbage palm, red cedar, red maple, bays, hackberry, hornbeam, blackgum, needle palm, and mixed hardwoods.

Marl Prairie - flatland with marl over limestone substrate; seasonally inundated; tropical; frequent to no fire; sawgrass, spikerush, and/or mixed grasses, sometimes with dwarf cypress.

Wet Flatwoods - flatland with sand substrate; seasonally inundated; subtropical or temperate; frequent fire; vegetation characterized by slash pine or pond pine and/or cabbage palm with mixed grasses and herbs.

Wet Prairie - flatland with sand substrate; seasonally inundated; subtropical or temperate; annual or frequent fire; maidencane, beakrush, spikerush, wiregrass, pitcher plants, St. John's wort, mixed herbs.

SEEPAGE WETLANDS - sloped or flat sands or peat with high moisture levels maintained by downslope seepage; wetland and mesic woody and/or herbaceous vegetation.

Baygall - wetland with peat substrate at base of slope; maintained by downslope seepage, usually saturated and occasionally inundated; subtropical or temperate; rare or no fire; bays and/or dahoon holly and/or red maple and/or mixed hardwoods.

Seepage Slope - wetland on or at base of slope with organic/sand substrate; maintained by downslope seepage, usually saturated but rarely inundated; subtropical or temperate; frequent or occasional fire; sphagnum moss, mixed grasses and herbs or mixed hydrophytic shrubs.

Florida Natural Areas Inventory - Natural Communities

FLOODPLAIN WETLANDS - flat, alluvial sand or peat substrates associated with flowing water courses and subjected to flooding but not permanent inundation; wetland or mesic woody and herbaceous vegetation.

Bottomland Forest - flatland with sand/clay/organic substrate; occasionally inundated; temperate; rare or no fire; water oak, red maple, beech, magnolia, tuliptree, sweetgum, bays, cabbage palm, and mixed hardwoods.

Floodplain Forest - floodplain with alluvial substrate of sand, silt, clay or organic soil; seasonally inundated; temperate; rare or no fire; diamondleaf oak, overcup oak, water oak, swamp chestnut oak, blue palmetto, cane, and mixed hardwoods.

Floodplain Marsh - floodplain with organic/sand/alluvial substrate; seasonally inundated; subtropical; frequent or occasional fire; maidencane, pickerelweed, sagittaria, buttonbush, and mixed emergents.

Floodplain Swamp - floodplain with organic/alluvial substrate; usually inundated; subtropical or temperate; rare or no fire; vegetation characterized by cypress, tupelo, black gum, and/or pop ash.

Freshwater Tidal Swamp - rivermouth wetland, organic soil with extensive root mat; inundated with freshwater in response to tidal cycles; rare or no fire; cypress, bays, cabbage palm, gums and/or cedars.

Slough - broad, shallow channel with peat over mineral substrate; seasonally inundated, flowing water; subtropical; occasional or rare fire; pop ash and/or pond apple or water lily.

Strand Swamp - broad, shallow channel with peat over mineral substrate; seasonally inundated, flowing water; subtropical; occasional or rare fire; cypress and/or willow.

Swale - broad, shallow channel with sand/peat substrate; seasonally inundated, flowing water; subtropical or temperate; frequent or occasional fire; sawgrass, maidencane, pickerelweed, and/or mixed emergents.

BASIN WETLANDS - shallow, closed basin with outlet usually only in time of high water; peat or sand substrate, usually inundated; wetland woody and/or herbaceous vegetation.

Basin Marsh - large basin with peat substrate; seasonally inundated; temperate or subtropical; frequent fire; sawgrass and/or cattail and/or buttonbush and/or mixed emergents.

Basin Swamp - large basin with peat substrate; seasonally inundated, still water; subtropical or temperate; occasional or rare fire; vegetation characterized by cypress, blackgum, bays and/or mixed hardwoods.

Bog - wetland on deep peat substrate; moisture maintained by capillary action, soil usually saturated, occasionally inundated; subtropical or temperate; rare fire; sphagnum moss and titi and/or bays and/or dahoon holly, and/or mixed hydrophytic shrubs.

Coastal Interdunal Swale - long narrow depression wetlands in sand/peat-sand substrate; seasonally inundated, fresh to brackish, still water; temperate; rare fire; graminoids and mixed wetland forbs.

Depression Marsh - small rounded depression in sand substrate with peat accumulating toward center; seasonally inundated, still water; subtropical or temperate; frequent or occasional fire; maidencane, fire flag, pickerelweed, and mixed emergents, may be in concentric hands.

Dome Swamp - rounded depression in sand/limestone substrate with peat accumulating toward center; seasonally inundated, still water; subtropical or temperate; occasional or rare fire; cypress, blackgum, or bays, often tallest in center.

LACUSTRINE - Non-flowing wetlands of natural depressions lacking persistent emergent vegetation except around the perimeter.

Clastic Upland Lake - generally irregular basin in clay uplands; predominantly with inflows, frequently without surface outflow; clay or organic substrate; colored, acidic, soft water with low mineral content (sodium, chloride, sulfate); oligo-mesotrophic to eutrophic.

Coastal Dune Lake - basin or lagoon influenced by recent coastal processes; predominantly sand substrate with some organic matter; salinity variable among and within lakes, and subject to saltwater intrusion and storm surges; slightly acidic, hard water with high mineral content (sodium, chloride).

Coastal Rockland Lake - shallow basin influence by recent coastal processes; predominantly barren oolitic or Miami limestone substrate; salinity variable among and within lakes, and subject to saltwater intrusion, storm surges and evaporation (because of shallowness); slightly alkaline, hard water with high mineral content (sodium, chloride).

Florida Natural Areas Inventory - Natural Communities

Flatwoods/Prairie Lake - generally shallow basin in flatlands with high water table; frequently with a broad littoral zone; still water or flow-through; sand or peat substrate; variable water chemistry, but characteristically colored to clear, acidic to slightly alkaline, soft to moderately hard water with moderate mineral content (sodium, chloride, sulfate); oligo-mesotrophic to eutrophic.

Marsh lake - generally shallow, open water area within wide expanses of freshwater marsh; still water or flow-through; peat, sand or clay substrate; occurs in most physiographic regions; variable water chemistry, but characteristically highly colored, acidic, soft water with moderate mineral content (sodium, chloride, sulfate); oligo-mesotrophic to eutrophic.

River Floodplain Lake - meander scar, backwater, or larger flow-through body within major river floodplains; sand, alluvial or organic substrate; colored, alkaline or slightly acidic, hard or moderately hard water with high mineral content (sulfate, sodium, chloride, calcium, magnesium); mesotrophic to eutrophic.

Sandhill Upland Lake - generally rounded solution depression in deep sandy uplands or sandy uplands shallowly underlain by limestone; predominantly without surface inflows/outflows; typically sand substrate with organic accumulations toward middle; clear, acidic moderately soft water with varying mineral content; ultra-oligotrophic to mesotrophic.

Sinkhole Lake - typically deep, funnel-shaped depression in limestone base; occurs in most physiographic regions; predominantly without surface inflows/outflows, but frequently with connection to the aquifer; clear, alkaline, hard water with high mineral content (calcium, bicarbonate, magnesium).

Swamp Lake - generally shallow, open water area within basin swamps; still water or flow-through; peat, sand or clay substrate; occurs in most physiographic regions; variable water chemistry, but characteristically highly colored, acidic, soft water with moderate mineral content (sodium, chloride, sulfate); oligo-mesotrophic to eutrophic.

RIVERINE - Natural, flowing waters from their source to the downstream limits of tidal influence and bounded by channel banks.

Alluvial Stream - lower perennial or intermittent/seasonal watercourse characterized by turbid water with suspended silt, clay, sand and small gravel; generally with a distinct, sediment-derived (alluvial) floodplain and a sandy, elevated natural levee just inland from the bank.

Blackwater Stream - perennial or intermittent/seasonal watercourse characterized by tea-colored water with a high content of particulate and dissolved organic matter derived from drainage through swamps and marshes; generally lacking an alluvial floodplain.

Seepage Stream - upper perennial or intermittent/seasonal watercourse characterized by clear to lightly colored water derived from shallow groundwater seepage.

Spring-run Stream - perennial watercourse with deep aquifer headwaters and characterized by clear water, circumneutral pH and, frequently, a solid limestone bottom.

SUBTERRANEAN - Twilight, middle and deep zones of natural chambers overlain by the earth's crust and characterized by climatic stability and assemblages of trogloneic, troglitic, and troglitic organisms.

Aquatic Cave - cavernicolous area permanently or periodically submerged; often characterized by troglitic crustaceans and salamanders; includes high energy systems which receive large quantities of organic detritus and low energy systems.

Terrestrial Cave - cavernicolous area lacking standing water; often characterized by bats, such as *Myotis*, and other terrestrial vertebrates and invertebrates; includes interstitial areas above standing water such as fissures in the ceiling of caves.

MARINE - Subtidal, intertidal and supratidal zones of the sea, landward to the point at which seawater becomes significantly diluted with freshwater inflow from the land.

ESTUARINE - Subtidal, intertidal, and supratidal zones of a coastal body of water, usually semi-enclosed by land but with a connection to the open sea, within which seawater is significantly diluted with freshwater inflow from the land.

Consolidated Substrate - expansive subtidal, intertidal and supratidal area composed primarily of nonliving compacted or coherent and relatively hard, naturally formed mass of mineral matter (e.g., coquina limestone and relic reefs); octocorals, sponges, stony corals, nondrift macrophytic algae, blue-green mat-forming algae and seagrasses sparse, if present.

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Unconsolidated Substrate - expansive subtidal, intertidal and supratidal area composed primarily of loose mineral matter (e.g., coralgall, gravel, marl, mud, sand and shell); octocorals, sponges, stony corals, nondrift macrophytic algae, blue-green mat-forming algae and seagrasses sparse, if present.

Octocoral Bed - expansive subtidal area occupied primarily by living sessile organisms of the Class Anthozoa, Subclass Octocorallia (e.g., soft corals, horny corals, sea fans, sea whips, and sea pens); sponges, stony corals, nondrift macrophytic algae and seagrasses sparse, if present.

Sponge Bed - expansive subtidal area occupied primarily by living sessile organisms of the Phylum Porifera (e.g., sheepswool sponge, Florida loggerhead sponge and branching candle sponge); octocorals, stony corals, nondrift macrophytic algae and seagrasses sparse, if present.

Coral Reef - expansive subtidal area with elevational gradient or relief and occupied primarily by living sessile organisms of the Class Hydrozoa (e.g., fire corals and hydrocorals) and Class Anthozoa, Subclass Zoantharia (e.g., stony corals and black corals); includes deepwater bank reefs, fringing barrier reefs, outer bank reefs and patch reefs, some of which may contain distinct zones of assorted macrophytes, octocorals, & sponges.

Mollusk Reef - substantial subtidal or intertidal area with relief from concentrations of sessile organisms of the Phylum Mollusca, Class Bivalvia (e.g., molluscs, oysters, & worm shells); octocorals, sponges, stony corals, macrophytic algae and seagrasses sparse, if present.

Worm Reef - substantial subtidal or intertidal area with relief from concentrations of sessile, tubicolous organisms of the Phylum Annelida, Class Polychaeta (e.g., chaetopterids and sabellarids); octocorals, sponges, stony corals, macrophytic algae and seagrasses sparse, if present.

Algal Bed - expansive subtidal, intertidal or supratidal area, occupied primarily by attached thallophytic or mat-forming prokaryotic algae (e.g., halimeda, blue-green algae); octocorals, sponges, stony corals and seagrasses sparse, if present.

Grass Bed - expansive subtidal or intertidal area, occupied primarily by rooted vascular macrophytes, (e.g., shoal grass, halophila, widgeon grass, manatee grass and turtle grass); may include various epiphytes and epifauna; octocorals, sponges, stony corals, and attached macrophytic algae sparse, if present.

Composite Substrate - expansive subtidal, intertidal, or supratidal area, occupied primarily by Natural Community elements from more than one Natural Community category (e.g., Grass Bed and Algal Bed species; Octocoral and Algal Bed species); includes both patchy and evenly distributed occurrences.

Tidal Marsh - expansive intertidal or supratidal area occupied primarily by rooted, emergent vascular macrophytes (e.g., cord grass, needlerush, saw grass, saltwort, saltgrass and glasswort); may include various epiphytes and epifauna.

Tidal Swamp - expansive intertidal and supratidal area occupied primarily by woody vascular macrophytes (e.g., black mangrove, buttonwood, red mangrove, and white mangrove); may include various epiphytes and epifauna.

DEFINITIONS OF TERMS

Terrestrial and Palustrine Natural Communities

Physiography

Upland	high area in region with significant topographic relief; generally undulating
Lowland	low area in region with or without significant topographic relief; generally flat to gently sloping
Flatland	generally level area in region without significant topographic relief; flat to gently sloping
Basin	large, relatively level lowland with slopes confined to the perimeter or isolated interior locations
Depression	small depression with sloping sides, deepest in center and progressively shallower towards the perimeter
Floodplain	lowland adjacent to a stream; topography influenced by recent fluvial processes
Bottomland	lowland not on active floodplain; sand/clay/organic substrate

Hydrology

occasionally inundated	surface water present only after heavy rains and/or during flood stages
seasonally inundated	surface water present during wet season and flood periods

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usually inundated surface water present except during droughts

Climatic Affinity of the Flora

tropical	community generally occurs in practically frost-free areas
subtropical	community generally occurs in areas that experience occasional frost, but where freezing temperatures are not frequent enough to cause true winter dormancy
temperate	community generally occurs in areas that freeze often enough that vegetation goes into winter dormancy

Fire

annual fire	burns about every 1-2 years
frequent fire	burns about every 3-7 years
occasional fire	burns about every 8-25 years
rare fire	burns about every 26-100 years
no fire	community develops only when site goes more than 100 years without burning

VEGETATION

anise - *Illicium floridanum*
 bays - swamp bay - *Persea palustris*
 gordonia - *Gordonia lasianthus*
 sweetbay - *Magnolia virginiana*
 beakrush - *Rhynchospora* spp.
 beech - *Fagus grandifolia*
 blackgum - *Nyssa biflora*
 blue palmetto - *Sabal minor*
 bluestem - *Andropogon* spp.

buttonbush - *Cephalanthus occidentalis*
 cabbage palm - *Sabal palmetto*
 cacti - *Opuntia* and *Cereus* spp., predominantly *stricta* and *pentagonus*
 cane - *Arundinaria gigantea* or *A. tecta*
 cattail - *Typha* spp.
 cedars - red cedar *Juniperus silicicola*
 white cedar *Chamaecyparis thyoides* or *C. henryi*

cladonia - *Cladonia* spp.
 cypress - *Taxodium distichum*
 dahoon holly - *Ilex cassine*
 diamondleaf oak - *Quercus laurifolia*
 fire flag - *Thalia geniculata*
 Florida maple - *Acer barbaratum*
 gallberry - *Ilex glabra*
 gums - tupelo - *Nyssa aquatica*
 blackgum - *Nyssa biflora*
 Ogeechee gum - *Nyssa ogeche*
 hackberry - *Celtis laevigata*
 hornbeam - *Carpinus caroliniana*
 laurel oak - *Quercus hemisphaerica*
 live oak - *Quercus virginiana*
 loblolly pine - *Pinus taeda*
 longleaf pine - *Pinus palustris*
 magnolia - *Magnolia grandiflora*
 maidencane - *Panicum hemitomon*
 needle palm - *Rhapidophyllum hystrix*
 overcup oak - *Quercus lyrata*
 pickerel weed - *Pontederia cordata* or *P. lanceolata*
 pignut hickory - *Carya glabra*
 pop ash - *Fraxinus caroliniana*
 pond apple - *Annona glabra*
 pond pine - *Pinus serotina*
 pyramid magnolia - *Magnolia pyramidata*
 railroad vine - *Ipomoea pes-caprae*
 red cedar - *Juniperus silicicola*
 red maple - *Acer rubrum*
 red oak - *Quercus falcata*
 rosemary - *Ceratiola ericoides*

sagittaria - *Sagittaria lancifolia*
 sand pine - *Pinus clausa*
 saw palmetto - *Serenoa repens*
 sawgrass - *Cladium jamaicensis*
 scrub oaks - *Quercus geminata*, *Q. chapmanii*, *Q. myrtifolia*, *Q. inopina*
 sea oats - *Uniola paniculata*
 seagrape - *Coccoloba uvifera*
 shortleaf pine - *Pinus echinata*
 Shumard oak - *Quercus shumardii*
 slash pine - *Pinus elliotii*
 sphagnum moss - *Sphagnum* spp.
 spikerush - *Eleocharis* spp.
 spruce pine - *Pinus glabra*
 St. John's wort - *Hypericum* spp.
 swamp chestnut oak - *Quercus prinus*
 sweetgum - *Liquidambar styraciflua*
 titi - *Cyrilla racemiflora*
 tuliptree - *Liriodendron tulipifera*
 tupelo - *Nyssa aquatica*
 turkey oak - *Quercus laevis*
 water oak - *Quercus nigra*
 waterlily - *Nymphaea odorata*
 white cedar - *Chamaecyparis thyoides*
 white oak - *Quercus alba*
 willow - *Salix caroliniana*
 wiregrass - *Aristida stricta*
 yucca - *Yucca aloifolia*

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PLANTS*

G4	S1	N	LE	<i>Acacia choriophylla</i>	Tamarindillo	G1	S1	C2	(LT)	<i>Asplenium x plenum</i>	
G5	S3	N	LE	<i>Acrostichum aureum</i>	Golden leather fern	G4G5	S1	N	LE	<i>Aster hemisphericus</i>	Aster
G5	S1	N	LT	<i>Actaea pachypoda</i>	White baneberry	G1	S1	C2	LT	<i>Aster spinulosus</i>	Pine-woods aster
G4G5	S1	N	LE	<i>Actinostachys pennula</i>	Ray fern	G5?TU	S1S3	N	N	<i>Aster vimineus</i> var <i>vimineus</i>	Apalachicola River aster
G5	S3S4	N	(LT)	<i>Adiantum capillus-veneris</i>	Southern maidenhair fern	G2G3	S2	3C	N	<i>Balduina atropurpurea</i>	Purple balduina
G3G4	S1	N	LE	<i>Adiantum melanoaleucum</i>	Fragrant maidenhair fern	G2T1T2	S1S2	C2	N	<i>Baptisia calycosa</i> var <i>calycosa</i>	Canby's wild indigo
G5	S3	N	(LT)	<i>Adiantum tenerum</i>	Brittle maidenhair fern	G2T1T2	S1S2	C2	LT	<i>Baptisia calycosa</i> var <i>villosa</i>	Hairy wild indigo
G5	S3	N	(LT)	<i>Adiantum tetraphyllum</i>	Four-leaved maidenhair fern	G3	S2	3C	LT	<i>Baptisia megacarpa</i>	Apalachicola wild indigo
						G3	S3	C2	LT	<i>Baptisia simplicifolia</i>	Scare-weed
G3	S2	C2	N	<i>Agrimonia incisa</i>	Incised groove-bur	G1?	S1	N	(LT)	<i>Basiphyllaea corallicola</i>	Rockland orchid
GU	S1	N	N	<i>Alvaradoa amorphoides</i>	Everglades leaf lace	G2?	S1	N	LE	<i>Bigelowia nuttallii</i>	Nuttall's rayless goldenrod
G1	S1	LE	LE	<i>Amorpha crenulata</i>	Crenulate lead-plant						
G3G4	S2	N	N	<i>Amyris balsamifera</i>	Balsam torchwood	G5	S1	N	LE	<i>Blechnum occidentale</i>	Sinkhole fern
G3	S3	3C	N	<i>Andropogon arctatus</i>	Pine-woods bluestem	G4G5	SH	N	(LT)	<i>Bletia patula</i>	Haitian bletia
G2G3	S2S3	N	(LT)	<i>Anemia wrightii</i>	Wright's anemia	G3	S3	LT	LE	<i>Bonamia grandiflora</i>	Florida bonamia
G3G4	S2	N	N	<i>Anemone berlandieri</i>	Texas anemone	G4?	S1	N	(LT)	<i>Botrychium lunarioides</i>	Winter grape-fern
G5	S1	N	LT	<i>Anemonella thalictroides</i>	Rue-anemone	G3?	S1	N	LE	<i>Bourreria cassinifolia</i>	Little strongbark
G5T1	S1	C2	LE	<i>Aquilegia canadensis</i> var <i>australis</i>	Marianna columbine	G2G3	S1	N	N	<i>Bourreria radula</i>	Rough strongbark
						G3G4	S1	C2	(LT)	<i>Brassia caudata</i>	Spider orchid
G5	S1	N	LE	<i>Arabis canadensis</i>	Sicklepod	G2G3	S2	C2	LT	<i>Brickellia cordifolia</i>	Flyr's brickell-bush
G2	S2	C2	LE	<i>Argythamnia blodgettii</i>	Blodgett's wild-mercury	G1	S1	C2	LE	<i>Brickellia mosieri</i>	Florida thoroughwort brickell-bush
G2	S2	N	N	<i>Aristida rhizomophora</i>	Florida threeawn						
G3	S2	C2	N	<i>Aristida simpliciflora</i>	Southern three-awned grass	G3?	S1	N	LE	<i>Bulbophyllum pachyrrachis</i>	Rat-tail orchid
						G5	S2	N	LT	<i>Bumelia lycioides</i>	Buckthorn
G2G4	S1	N	N	<i>Aristolochia pentandra</i>	Dutchman's pipe	G1Q	S1	C2	N	<i>Bumelia thornei</i>	Buckthorn
G2	S2	C2	LT	<i>Arnoglossum diversifolium</i>	Variable-leaved indian-plantain	G?	S1	N	LE	<i>Burmannia flava</i>	Fakahatchee burmannia
						G3	S2	C2	N	<i>Byrsonima lucida</i>	Locustberry
G3	S3	N	LE	<i>Asclepias curtissii</i>	Curtiss' milkweed	G3	S3	C2	LT	<i>Calamintha ashei</i>	Ashe's savory
G2	S2	C1	LT	<i>Asclepias viridula</i>	Southern milkweed	G3	S3	3C	N	<i>Calamintha dentata</i>	Toothed savory
G1	S1	LE	LE	<i>Asimina tetramera</i>	Four-petal pawpaw	G2	S2	C2	LE	<i>Calamovilfa curtissii</i>	Curtiss' sandgrass
G5	S2	N	LE	<i>Asplenium auritum</i>	Auricled spleenwort	G5	S2	N	LT	<i>Callirhoe papaver</i>	Woods poppy-mallow
G4	S1	N	LE	<i>Asplenium monanthes</i>	Single-sorus spleenwort	G5T4	S2	N	LT	<i>Calycanthus floridus</i> var <i>floridus</i>	Sweet shrub
G4G5	S1	N	LE	<i>Asplenium pumilum</i>	Dwarf spleenwort						
G4G5	S1	N	LE	<i>Asplenium serratum</i>	Bird's nest spleenwort	G5T4	S2	N	LT	<i>Calycanthus floridus</i> var <i>oblongifolius</i>	
G5	S1S2	N	(LT)	<i>Asplenium trichomanes-dentatum</i>	Slender spleenwort						
G1	S1	N	(LT)	<i>Asplenium x biscoyanum</i>	Eaton's spleenwort	G3G4	S1S2	N	N	<i>Calyptanthus zuzygium</i>	Myrtle-of-the-river
G1	S1	N	(LT)	<i>Asplenium x curtissii</i>	Curtiss' spleenwort						
G2	S1S2	C2	(LT)	<i>Asplenium x heteroresiliens</i>	Wagner's spleenwort						

*Not all taxa listed in the Preservation of Native Flora of Florida Act (F.S. 581.185) are included in this list.

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G1	S1	N	N	<i>Calystegia catesbiana</i>	Trailing bindweed	G5	S3	N	LE	<i>Cheilanthes microphylla</i>	Southern lip fern
G1	S1	LE	LE	<i>Campanula robinsiae</i>	Brooksville bellflower	G3	S3	LE	LE	<i>Chionanthus pygmaeus</i>	Pygmy fringe-tree
G?	S1	N	LE	<i>Campylocentrum pachyrrhizum</i>	Leafless orchid	G1	S1	LE	LE	<i>Chrysopsis floridana</i>	Florida golden aster
G?	S1	N	LE	<i>Campyloneurum angustifolium</i>	Narrow-leaved strap fern	G2	S2	C2	N	<i>Chrysopsis godfreyi</i>	Godfrey's golden aster
G4G5	S2	N	(LT)	<i>Campyloneurum costatum</i>	Tailed strap fern	G3G5T2	S2	C2	LE	<i>Chrysopsis gossypina</i> ssp <i>cruiseana</i>	Cruise's golden aster
G4G5	S2	N	N	<i>Canella winteriana</i>	Wild cinnamon	G4	S1	N	N	<i>Cienfuegosia yucatanensis</i>	Mexican hibiscus
G2	S2	C2	LE	<i>Carex baltzellii</i>	Baltzell's sedge	G5	S1	N	N	<i>Cladium mariscoides</i>	Pond rush
G2G3	S2	C2	N	<i>Carex chapmanii</i>	Chapman's sedge	G4G5	S3?	N	N	<i>Clematis catesbyana</i>	A virgin's bower
G3	S1	N	N	<i>Carex microdonta</i>		G3	S3	LT	LT	<i>Clitoria fragrans</i>	Pigeon-wing
G5?	S2	N	N	<i>Carex tenax</i>	Sandhill sedge	G3	S2?	N	CE	<i>Coccothrinax argentata</i>	Silver palm
G2	S2	3C	LT	<i>Cassia keyensis</i>	Big Pine partridge pea	G3	S3	C2	N	<i>Coelorachis tuberculosa</i>	Piedmont jointgrass
G2G3	S1	N	LE	<i>Catesbaea parviflora</i>	Small-flowered lily-thorn	G?T1	S1	N	N	<i>Colubrina cubensis</i> var <i>floridana</i>	Cuban snake-bark
G4	S1S2	N	LE	<i>Catopsis berteroniana</i>	Powdery catopsis	G2Q	S2	LE	N	<i>Conradina brevifolia</i>	Short-leaved rosemary
G3G4	S2	N	LE	<i>Catopsis floribunda</i>	Many-flowered catopsis	G1	S1	LE	N	<i>Conradina etonia</i>	Etonia rosemary
G2G3	S1	N	LE	<i>Catopsis nutans</i>	Nodding catopsis	G1	S1	LE	LT	<i>Conradina glabra</i>	Apalachicola rosemary
G5	S1	N	LE	<i>Celtis iguanaea</i>	Iguana hackberry	G3	S3	C2	LE	<i>Conradina grandiflora</i>	Large-flowered rosemary
G4	S1	N	LE	<i>Celtis pallida</i>	Spiny hackberry	G5	S1	N	(LT)	<i>Corallorhiza odontorhiza</i>	Autumn coral-root
G3?	S1	N	LE	<i>Centrogenium setaceum</i>	Spurred neottia	G3G5	S2S3	N	LE	<i>Cordia sebestena</i>	Geiger tree
G2G3Q	S2S3	3C	N	<i>Centrosema arenicola</i>	Sand butterfly pea	G1G2	S1	N	N	<i>Coreopsis integrifolia</i>	Dye-flower
G2G3T1	S1	LE	LE	<i>Cereus eriophorus</i> var <i>fragrans</i>	Fragrant prickly-apple	G5	S2	N	LT	<i>Cornus alternifolia</i>	Alternate-leaf dogwood
G2G3T2	S2	C2	LE	<i>Cereus gracilis</i> var <i>aboriginum</i>	Aboriginal prickly-apple	G4G5	SH	N	(LT)	<i>Cranichis muscosa</i>	Crane fly orchid
G2G3T2	S2	C2	LE	<i>Cereus gracilis</i> var <i>simpsonii</i>	Simpson's prickly-apple	G5	S1	N	LE	<i>Crataegus phaenopyrum</i>	Washington thorn
G1T1	S1	LE	LE	<i>Cereus robinii</i> var <i>deeringii</i>	Key tree-cactus	G5	S1	N	N	<i>Crescentia cujete</i>	Calabash tree
G1T1	S1	LE	LE	<i>Cereus robinii</i> var <i>robinii</i>	Big Pine tree-cactus	G4	S2	C2	LE	<i>Croomia pauciflora</i>	Croomia
G2	S2	C2	N	<i>Chamaesyce cumulicola</i>	Sand-dune spurge	G3	S2	N	N	<i>Crossopetalum ilicifolium</i>	Christmas berry
G2T1	S1	LE	LE	<i>Chamaesyce deltoidea</i> ssp <i>deltoidea</i>	Deltoid spurge	G3	S2	N	N	<i>Crossopetalum rhacoma</i>	Rhacoma
G2T1	S1	N	LE	<i>Chamaesyce deltoidea</i> ssp <i>pinetorum</i>	Pinelands spurge	G1	S1	LE	N	<i>Crotalaria avonensis</i>	Avon Park rabbit-bells
G2T1	S1	3C	LE	<i>Chamaesyce deltoidea</i> ssp <i>serpyllum</i>	Wedge spurge	G2G3	S2S3	3C	N	<i>Croton elliotii</i>	Elliott's croton
G2T1	S1	N	N	<i>Chamaesyce deltoidea</i> var <i>adhaerens</i>		G5	S2S3	N	LT	<i>Cryptotaenia canadensis</i>	Canada honewort
G1	S1	LT	LE	<i>Chamaesyce garberi</i>	Garber's spurge	G5	S2	N	(LT)	<i>Ctenitis sloanei</i>	Florida tree fern
G2T1	S1	C2	LE	<i>Chamaesyce porteriana</i> var <i>keyensis</i>	Porter's hairy-podded spurge	G2	S2	3C	N	<i>Ctenium floridanum</i>	Florida toothache grass
G2T2	S2	C2	LE	<i>Chamaesyce porteriana</i> var <i>porteriana</i>	Porter's broad-leaved spurge	G3T1	S1	LE	LE	<i>Cucurbita okeechobeensis</i> ssp <i>okeechobeensis</i>	Okeechobee gourd
G2T2	S2	C2	LE	<i>Chamaesyce porteriana</i> var <i>scoparia</i>	Porter's broom spurge	G3?	S1	N	LE	<i>Cupania glabra</i>	Cupania
						G2?	S2	C2	N	<i>Cuphea aspera</i>	Tropical waxweed
						G5	S2	N	N	<i>Cynoglossum virginianum</i>	Wild comphrey
						G1Q	S1	N	N	<i>Cyrilla arida</i>	Scrub leatherwood
						G5?	S1	N	LE	<i>Cyrtopodium punctatum</i>	Cow-horned orchid

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G1	S1	LE	LE	<i>Deeringothamnus pulchellus</i>	Beautiful pawpaw	G5	S2?	N	N	<i>Euphorbia commutata</i>	Wood spurge
G1	S1	LE	LE	<i>Deeringothamnus rugelii</i>	Rugel's pawpaw	G1	S1	LT	LE	<i>Euphorbia telephioides</i>	Telephus spurge
G5	S1	N	LE	<i>Delphinium carolinianum</i>	Carolina larkspur	G5	S2	N	N	<i>Evonymus atropurpurea</i>	Burningbush
G4	S1	N	LE	<i>Dennstaedtia bipinnata</i>	Hay scented fern	G2T2	S2	C2	N	<i>Forestiera segregata</i> var <i>pinetorum</i>	Florida pinewood privet
G1	S1	LE	LE	<i>Dicerandra christmanii</i>	Garrett's scrub balm	G2Q	S2	C2	N	<i>Galactia pinetorum</i>	Pineland milk-pea
G1	S1	LE	LE	<i>Dicerandra cornutissima</i>	Longspurred mint	G1Q	S1	LE	LE	<i>Galactia smallii</i>	Small's milkpea
G1	S1	LE	LE	<i>Dicerandra frutescens</i>	Scrub mint	G4G5	S1	N	(LT)	<i>Galeandra beyrichii</i>	Galeandra
G1	S1	LE	LE	<i>Dicerandra immaculata</i>	Lakela's mint	G3	S3	C2	LE	<i>Gentiana pennelliana</i>	Wiregrass gentian
G?	S2	N	N	<i>Dichromena floridensis</i>	Florida white-top sedge	G2	S2	C2	LE	<i>Glandularia maritima</i>	Coastal vervain
G1	S1	C2	N	<i>Digitaria floridana</i>	Florida crabgrass	G1	S1	C2	LE	<i>Glandularia tampensis</i>	Tampa vervain
G1	S1	C2	N	<i>Digitaria gracillima</i>	Longleaf crabgrass	G5	S1	N	(LT)	<i>Goodyera pubescens</i>	Downy rattlesnake plantain
G1	S1	C2	N	<i>Digitaria pauciflora</i>	Few-flowered crabgrass						
G4	S3?	N	N	<i>Dirca palustris</i>	Eastern leatherwood	G4G5	S3?	N	LE	<i>Gossypium hirsutum</i>	Wild cotton
G5	S1	N	LE	<i>Dodecatheon meadia</i>	Shootingstar	G5	S1	N	(LT)	<i>Govenia utriculata</i>	Sheathing govenia
G5	S3	N	LT	<i>Drosera intermedia</i>	Spoon-leaved sundew	G4G5	S2	N	LE	<i>Guaiaacum sanctum</i>	Lignum-vitae
G3G4	S2	N	N	<i>Drypetes diversifolia</i>	Milkbark	G4G5	S1S2	N	LE	<i>Guzmania monostachia</i>	Fuch's bromeliad
G4G5	S1	N	N	<i>Echinacea purpurea</i>	Eastern purple coneflower	G4	S1	N	N	<i>Gyminda latifolia</i>	False boxwood
G5	SH	N	N	<i>Eleocharis rostellata</i>	Beaked spikerush	G2	S2	N	N	<i>Gymnopogon chapmanianus</i>	Chapman's skeletongrass
G4T2	S2	C2	N	<i>Elytraria caroliniensis</i> var <i>angustifolia</i>	Narrow-leaved carolina scalystem	G2	S2	N	N	<i>Halophila johnsonii</i>	Johnson's seagrass
G3T1	S1	3C	LE	<i>Encyclia boothiana</i> var <i>erythronioides</i>	Dollar orchid	G1	S1	LE	LE	<i>Harperocallis flava</i>	Harper's beauty
G4T2	S2	N	(LT)	<i>Encyclia cochleata</i> var <i>triandra</i>	Clamshell orchid	G2	S2	C2	LT	<i>Hartwrightia floridana</i>	Hartwrightia
G4G5	S1	N	LE	<i>Encyclia pygmaea</i>	Dwarf encyclia	G2	S2	C2	LE	<i>Hedeoma graveolens</i>	Mock pennyroyal
G3G4	S1	N	LE	<i>Epidendrum acunae</i>	Acuna's epidendrum	G5T1Q	S1	C2	N	<i>Hedyotis nigricans</i> var <i>pulvinata</i>	Narrow-leaved bluets
G?	S2	N	(LT)	<i>Epidendrum nocturnum</i>	Night-scented orchid	G3G4	S3	N	N	<i>Helianthemum arenicola</i>	Gulf rockrose
G4	S1	N	(LT)	<i>Epidendrum strobiliferum</i>	Pendant epidendrum	G1G2	S1S2	C2	LE	<i>Helianthus carnosus</i>	Lake-side sunflower
G5	S2	N	LE	<i>Epigaea repens</i>	Trailing arbutus	G5T?	S?	N	N	<i>Helianthus debilis</i> ssp <i>cucumerifolius</i> var <i>tardiflorus</i>	
G2	S2	C2	LT	<i>Eragrostis tracyi</i>	Sanibel lovegrass	G5T2	S2	C2	N	<i>Helianthus debilis</i> ssp <i>vestitus</i>	Hairy beach sunflower
G2?T2Q	S1S2	C2	N	<i>Eriochloa michauxii</i> var <i>simpsonii</i>	A cupgrass	G5	S2	N	LE	<i>Hepatica nobilis</i>	Liverleaf
G4T3	S3	LT	LT	<i>Eriogonum longifolium</i> var <i>gnaphalifolium</i>	Scrub buckwheat	G5	S3	N	LT	<i>Hexastylis arifolia</i>	Heartleaf
G1	S1	LE	LE	<i>Eryngium cuneifolium</i>	Wedge-leaved button-snakeroot	G3G4	S2	N	LT	<i>Hippomane mancinella</i>	Manchineel
G5	S2	N	LT	<i>Erythronium umbilicatum</i>	Trout lily	G2	S1	N	LE	<i>Huperzia dichotoma</i>	Hanging clubmoss
G4G5	S2S3	N	LT	<i>Eugenia confusa</i>	Tropical ironwood	G5	S1	N	LE	<i>Hybanthus concolor</i>	Green violet
G?	S1	N	LE	<i>Eugenia rhombea</i>	Red stopper	G5	S1	N	LT	<i>Hydrangea arborescens</i>	Wild hydrangea
G?	S2	N	N	<i>Eupatorium villosum</i>	Villose fennel	G1	S1	C2	N	<i>Hymenocallis henryae</i>	Panhandle spiderlily
						G4	S2S3	3C	N	<i>Hymenocallis latifolia</i>	Broad-leaved spiderlily
						G2	S1	N	LT	<i>Hypelate trifoliata</i>	Inkwood

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G2	S2	LE	LE	<i>Hypericum cumulicola</i>	Highlands scrub hypericum	G5?	S1	N	LE	<i>Lepuropetalon spathulatum</i>	Little-people
G2	S2	C2	LT	<i>Hypericum edisonianum</i>	Edison's ascyrum	G3	S3	LE	LE	<i>Liatris ohlingerae</i>	Florida gay-feather
G2	S2	C2	LE	<i>Hypericum lissophloeus</i>	Smooth-barked St. John's-wort	G2	S2	C2	LE	<i>Liatris provincialis</i>	Godfrey's blazing star
G3G4	S2	3C	(LT)	<i>Ilex amelanterior</i>	Serviceberry holly	G4	S1	N	LE	<i>Licaria triandra</i>	Gulf licaria
G?	S2	N	LE	<i>Ilex krugiana</i>	Krug's holly	G3	S2?	3C	N	<i>Lilaeopsis carolinensis</i>	Carolina lilaeopsis
G5T3	S3	3C	CE	<i>Ilex opaca var arenicola</i>	Scrub holly	G4	S3	N	LT	<i>Lilium catesbaei</i>	Southern red lily
G5	S3	N	LT	<i>Illicium floridanum</i>	Florida anise	G1G2	S1S2	C2	LE	<i>Lilium iridollae</i>	Panhandle lily
G1G2	S1	C2	LT	<i>Illicium parviflorum</i>	Star anise	G4G5	S1S2	N	N	<i>Lilium michauxii</i>	Carolina lily
G1Q	S1	C2	N	<i>Indigofera keyensis</i>	Decumbent indigo	G5	S1	N	N	<i>Lilium superbum</i>	Turk's cap lily
G?	S1	N	LE	<i>Ionopsis utricularioides</i>	Delicate ionopsis	G2	SH	LE	LE	<i>Lindera melissifolia</i>	Pondberry
G?T2?	S1S2	N	LE	<i>Ipomoea microdactyla</i>	Wild potato morning-glory	G2	S1	C2	N	<i>Lindera subcoriacea</i>	Bog spicebush
G2?	S1S2	N	LE	<i>Ipomoea tenuissima</i>	Rocklands morning-glory	G1G2	S1S2	C2	LE	<i>Linum arenicola</i>	Sand flax
G5	S1	N	N	<i>Isopyrum biternatum</i>	False rue-anemone	G2T1	S1	C2	LE	<i>Linum carteri var carteri</i>	Carter's small-flowered flax
G5	S1	N	(LT)	<i>Isotria verticillata</i>	Large whorled pogonia	G2T2	S2	C2	LE	<i>Linum carteri var smallii</i>	Carter's large-flowered flax
G2	S2	C2	LE	<i>Jacquemontia curtissii</i>	Pineland jacquemontia	G5?TU	S1?	C2	N	<i>Linum sulcatum var harperi</i>	Harper's grooved-yellow flax
G2G3	S1	N	N	<i>Jacquemontia havanensis</i>	Cuban jacquemontia	G2	S2	C2	LT	<i>Linum westii</i>	West's flax
G1	S1	PE	LE	<i>Jacquemontia reclinata</i>	Beach jacquemontia	G3G4	S2	C2	LT	<i>Litsea aestivalis</i>	Pondspice
G4	S3	N	LT	<i>Jacquinia keyensis</i>	Joewood	G3G4	S2S3	N	(LT)	<i>Lomariopsis kunzeana</i>	Holly vine fern
G2G3	S1	3C	N	<i>Juncus gymnocarpus</i>	Coville's rush	G1	S1	LE	LE	<i>Lupinus aridorum</i>	Scrub lupine
G2	S2	N	N	<i>Justicia angusta</i>	Everglades water willow	G2	S2	C2	LT	<i>Lupinus westianus</i>	Gulf coast lupine
G1G2	S1S2	LE	LE	<i>Justicia cooley</i>	Cooley's water-willow	G1	S1	C2	LE	<i>Lythrum curtissii</i>	Curtiss' loosestrife
G2	S2	C2	LT	<i>Justicia crassifolia</i>	Thick-leaved water-willow	G2G3	S2S3	C2	N	<i>Lythrum flagellare</i>	Lowland loosestrife
G5	S3	N	LT	<i>Kalmia latifolia</i>	Mountain laurel	G1	S1	LT	LE	<i>Macbridea alba</i>	White birds-in-a-nest
G3	S2?	C2	N	<i>Lachnocaulon digynum</i>	Bog-button	G2G3	S1	N	(LT)	<i>Macradenia lutescens</i>	Trinidad macradenia
G2T1	S1	C2	N	<i>Lantana depressa var depressa</i>	Florida lantana	G3	S2	N	LE	<i>Macranthera flammea</i>	Hummingbird flower
G2T2	S2	C2	N	<i>Lantana depressa var floridana</i>		G5	S2	N	LT	<i>Magnolia acuminata</i>	Cucumber magnolia
G2T1	S1	C2	N	<i>Lantana depressa var sanibelensis</i>		G3	S2	C2	LE	<i>Magnolia ashei</i>	Ashe's magnolia
G3G4	S2	N	N	<i>Lantana microcephala</i>	Small-headed lantana	G4	S2	N	LE	<i>Magnolia pyramidata</i>	Pyramid magnolia
G3	S3	3C	LE	<i>Lechea cernua</i>	Nodding pinweed	G5	S1	N	N	<i>Magnolia tripetala</i>	Umbrella magnolia
G2	S2	C2	LE	<i>Lechea divaricata</i>	Pine pinweed	G5	S3	N	(LT)	<i>Malaxis unifolia</i>	Green adder's-mouth
G1	S1	C2	N	<i>Lechea lakelae</i>	Lakela's pinweed	G4	S2	N	N	<i>Manilkara bahamensis</i>	Wild dilly
G4	S1	N	N	<i>Leiphaemos parasitica</i>	Ghost plant	G4G5	S1	N	LT	<i>Marshallia obovata</i>	Barbara's buttons
G3G4	S3	3C	LT	<i>Leitneria floridana</i>	Corkwood	G2	S1	C2	LE	<i>Marshallia ramosa</i>	Southern marshallia
G3G4	S1	N	(LT)	<i>Leochilus labiatus</i>	Smooth-lipped leochilus	G1	S1	C2	LE	<i>Matelea alabamensis</i>	Alabama anglepod
G1G3	S1	C2	LE	<i>Lepanthopsis melanantha</i>	Tiny orchid	G2G3	S1	C2	LE	<i>Matelea baldwyniana</i>	Baldwyn's spiny-pod
						G3?	S1	N	LE	<i>Matelea flavidula</i>	Carolina milkvine
						G2	S2	C2	LE	<i>Matelea floridana</i>	Florida spiny-pod

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G?	S1	N	LE	<i>Maxillaria crassifolia</i>	Hidden orchid	G5	S1S2	N	(LT)	<i>Pellaea atropurpurea</i>	Purple cliff brake
G5	S2	N	LT	<i>Medeola virginiana</i>	Indian cucumber-root	G3G4	S3	N	N	<i>Peltandra sagittifolia</i>	Spoon-flower
G2Q	S2	C2	N	<i>Melanthera parvifolia</i>	Small-leaved melanthera	G4G5	S1	N	LE	<i>Peperomia glabella</i>	Cypress peperomia
G4G5	S2S3	N	(LT)	<i>Microgramma heterophylla</i>	Climbing vine fern	G5	S2	N	LE	<i>Peperomia humilis</i>	Terrestrial peperomia
G1	S1	C2	N	<i>Minuartia godfreyi</i>	Godfrey's sandwort	G5	S2	N	LE	<i>Peperomia obtusifolia</i>	Blunt-leaved peperomia
G5	S1	N	LE	<i>Monotropa hypopithys</i>	Pinesap	G3	S3	3C	N	<i>Persea humilis</i>	Scrub bay
G1Q	S1	C2	LE	<i>Monotropis reynoldsiae</i>	Pigmy-pipes	G?	S1	N	N	<i>Pharus parvifolius</i>	Creeping-leaf stalkgrass
G4T3	S3	C2	LT	<i>Myrcianthes fragrans</i> var <i>simpsonii</i>	Twinberry	G3	S3	N	N	<i>Phoebanthus tenuifolius</i>	
						G?	S1	N	LE	<i>Phoradendron rubrum</i>	Mahogany mistletoe
G2G3	S2S3	C2	N	<i>Myriophyllum laxum</i>	Piedmont water-milfoil	G3G5T2	S2	3C	LT	<i>Phyllanthus leibmannianus</i> ssp <i>platylepis</i>	Pine-wood dainties
G2	S2	C2	LE	<i>Nemastylis floridana</i>	Fall-flowering ixia						
G4G5	S1S2	N	(LT)	<i>Nevrodium lanceolatum</i>	Ribbon fern	G4G5T2	S2	C2	N	<i>Phyllanthus pentaphyllus</i> ssp <i>floridanus</i>	Florida five-petaled leaf-flower
G3	S3	C2	LE	<i>Nolina atopocarpa</i>	Florida bear-grass	G5	S1	N	LE	<i>Physocarpus opulifolius</i>	Ninebark
G2	S2	LE	LE	<i>Nolina brittoniana</i>	Britton's bear-grass	G3	S3	N	N	<i>Physostegia godfreyi</i>	Apalachicola dragon-head
G5T2	S2	C2	N	<i>Nuphar lutea</i> ssp <i>ulvacea</i>	West florida cowlily	G4G5	S3S5	3C	N	<i>Physostegia leptophylla</i>	Slender-leaved dragon-head
G?	S2S3	N	N	<i>Nymphaea jamesoniana</i>	Sleeping-beauty water-lily						
						G4G5	S1	N	N	<i>Picramnia pentandra</i>	Bitter bush
G1G2Q	S1S2	C2	N	<i>Nyssa ursina</i>	Bog tupelo	G2	S2	LT	LE	<i>Pinguicula ionantha</i>	Violet-flowered butterwort
G3	S2	N	LE	<i>Okenia hypogaea</i>	Burrowing four-o'clock						
G3	S1	N	LE	<i>Oncidium bahamense</i>	Dancing-lady orchid	G3?	S2	C2	LE	<i>Pinguicula planifolia</i>	Chapman's butterwort
G2	S1	N	(LT)	<i>Oncidium floridanum</i>	Florida oncidium	GX	SX	3A	N	<i>Pisonia floridana</i>	Rock Key devil's-claws
G4G5	S1	N	(LT)	<i>Oncidium luridum</i>	Mule ear orchid	G3	S3	C2	LE	<i>Pityopsis flexuosa</i>	Bent golden aster
G2	S2	3C	LE	<i>Ophioglossum palmatum</i>	Hand fern	G5	S1	N	(LT)	<i>Platanthera clavellata</i>	Little club-spur orchid
G1	S1	C2	LE	<i>Opuntia spinosissima</i>	Florida semaphore cactus	G3G4	S3S4	3C	(LT)	<i>Platanthera integra</i>	Yellow fringeless orchid
G1G2	S1	3C	PE	<i>Opuntia triacantha</i>	Three-spined prickly-pear	GU	S1	N	(LT)	<i>Pleopeltis revoluta</i>	Star-scale fern
						G4	S2	N	(LT)	<i>Pleurothallis gelida</i>	Frost-flower orchid
G3Q	S3	3C	LE	<i>Oxypolis greenmanii</i>	Giant water-dropwort	G5	S1	N	N	<i>Podophyllum peltatum</i>	May apple
G4G5	S1	N	LE	<i>Pachysandra procumbens</i>	Allegheny-spurge	G2	S2	N	LE	<i>Poinsettia pinetorum</i>	Rockland painted-leaf
G2	S2	C2	LT	<i>Panicum abscissum</i>	Cutthroat grass	G4T2Q	S2	C2	N	<i>Polygala boykinii</i> var <i>sparsifolia</i>	Boykin's few-leaved milkwort
G3?	S2?	C2	N	<i>Panicum nudicaule</i>	Naked-stemmed panic grass						
						G2	S2	LE	LE	<i>Polygala lewtonii</i>	Lewton's polygala
G2	S1	C2	LE	<i>Parnassia caroliniana</i>	Carolina grass-of-parnassus	G1	S1	LE	LE	<i>Polygala smallii</i>	Tiny polygala
						G3	S3	LE	LE	<i>Polygonella basiramia</i>	Hairy jointweed
G2G3	S2	N	LE	<i>Parnassia grandifolia</i>	Large-flowered grass-of-parnassus	G2	S2	C2	LT	<i>Polygonella macrophylla</i>	Large-leaved jointweed
						G3	S3	LE	N	<i>Polygonella myriophylla</i>	Small's jointweed
G3T3	S3	LT	LE	<i>Paronychia chartacea</i> ssp <i>chartacea</i>	Paper-like nailwort	G5?	S2	N	LT	<i>Polygonum meisnerianum</i>	Mexican tear-thumb
G3T1	S1	LT	LE	<i>Paronychia chartacea</i> ssp <i>minima</i>	Crystal lake nailwort	G2G3	S1?	3C	N	<i>Polymnia laevigata</i>	Tennessee leafcup
						G?	S2	N	LE	<i>Polyrhiza lindenii</i>	Ghost orchid
G4	S1	N	N	<i>Passiflora multiflora</i>	Whitish passionflower						
G4G5	S2S3	N	N	<i>Pavonia spinifex</i>	Yellow hibiscus						

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G2T2	S1	N	(LT)	<i>Ponthieva brittoniae</i> var <i>brittoniae</i>	Bahama shadow-witch	G3	S2	N	LE	<i>Sarracenia rubra</i>	Sweet pitcher-plant
G1G3	S1S2	C2	N	<i>Potamogeton floridanus</i>	Florida pondweed	G3	S1	N	N	<i>Savia bahamensis</i>	Maiden bush
G4G5	S1	N	(LT)	<i>Prescotia oligantha</i>	Small-flowered prescotia	G5	S2	N	N	<i>Schaefferia frutescens</i>	Yellowwood
G2G3	S2S3	LE	LE	<i>Prunus geniculata</i>	Scrub plum	G4	S2	N	LT	<i>Schisandra coccinea</i>	Schisandra
G3G4	S1S2	N	N	<i>Prunus myrtifolia</i>	West-indian cherry	G1	S1	C2	N	<i>Schizachyrium niveum</i>	Scrub bluestem
GU	S1	N	LE	<i>Pseudophoenix sargentii</i>	Florida cherry-palm	G2	S1	LE	LE	<i>Schwalbea americana</i>	Chaffseed
G4	S3	N	(LT)	<i>Pteris bahamensis</i>	Bahama brake	G1	S1	LT	LE	<i>Scutellaria floridana</i>	Florida skullcap
G3G4	S2	C2	(LT)	<i>Pteroglossaspis ecristata</i>	A wild coco	G5	S3S4	N	(LT)	<i>Selaginella apoda</i>	Meadow spikemoss
G3	S3	3C	N	<i>Pycnanthemum floridanum</i>	Florida mountain-mint	G2?	S2	N	(LT)	<i>Selaginella eatonii</i>	Eaton's spikemoss
G3	S1S2	3C	N	<i>Quercus arkansana</i>	Arkansas oak	G4G5	S3S4	N	(LT)	<i>Selaginella ludoviciana</i>	Gulf spikemoss
G4	S3	N	LE	<i>Remirea maritima</i>	Beach-star	G2	S2	LE	LE	<i>Silene polypetala</i>	Fringed campion
G?	SX	N	LE	<i>Restrepia ophioccephala</i>	Snake orchid	G5	S1	N	N	<i>Silene virginica</i>	Virginia campion
G2	S2	C2	LE	<i>Rhexia parviflora</i>	A meadowbeauty	G1Q	S1	C2	N	<i>Sium floridanum</i>	Florida water-parsnip
G2	S2	C2	N	<i>Rhexia salicifolia</i>	Panhandle meadowbeauty	G4G5TH	SH	3A	N	<i>Solanum bahamense</i> var <i>rugelii</i>	Rugel's Key West horse-nettle
G3G5	S1	3C	LE	<i>Rhipsalis baccifera</i>	Mistletoe cactus	G4	S3	N	N	<i>Sophora tomentosa</i>	Necklace pod
G3G4	S3	3C	LE	<i>Rhododendron austrinum</i>	Orange azalea	G3	S2	N	(LT)	<i>Sphenomeris clavata</i>	Wedgelet fern
G1G2	S1S2	LE	LE	<i>Rhododendron chapmanii</i>	Chapman's rhododendron	G1	S1	LE	LE	<i>Spigelia gentianoides</i>	Gentian pinkroot
G3	S3	3C	N	<i>Rhynchosia cinerea</i>	Brown-haired snoutbean	G1G2	S1S2	C2	LE	<i>Spigelia loganioides</i>	A pinkroot
G1	S1	C2	N	<i>Rhynchospora crinipes</i>	Hairy-peduncled beak-rush	G3G4	S1	N	(LT)	<i>Spiranthes costaricensis</i>	Reichenbach's orchid
G1	S1	3C	N	<i>Rhynchospora culixa</i>	Georgia beak-rush	G4G5	S1	N	(LT)	<i>Spiranthes elata</i>	Tall neottia
G3G4	S2	C2	N	<i>Rhynchospora decurrens</i>	Decurrent beak-rush	G4T1	S1	C2	(LT)	<i>Spiranthes lanceolata</i> var <i>paludicola</i>	A ladies'-tresses
G1?	SU	C2	N	<i>Rhynchospora punctata</i>	Pineland beak-rush	G1G3	S1S2	C2	LE	<i>Spiranthes polyantha</i>	Green ladies'-tresses
G2	S1	N	N	<i>Rhynchospora stenophylla</i>	Narrow-leaved beakrush	G3G4	S1	N	(LT)	<i>Spiranthes torta</i>	Southern ladies'-tresses
G1	S1	LT	LE	<i>Ribes echinellum</i>	Miccosukee gooseberry	G?	S1	N	LE	<i>Stachys crenata</i>	Shade betony
G2Q	S2	3C	LE	<i>Roystonea elata</i>	Florida royal palm	G5T1	S1	C2	N	<i>Stachys hyssopifolia</i> var <i>lythroides</i>	Tallahassee hedge-nettle
G3T1T3	S1S2	C2	LE	<i>Rudbeckia nitida</i> var <i>nitida</i>	St. John's-susan	G5	S1	N	LT	<i>Staphylea trifolia</i>	American bladdernut
G4T1T2	S1	C2	N	<i>Rudbeckia triloba</i> var <i>pinnatifolia</i>	Pinnate-lobed coneflower	G4	S3	N	LE	<i>Stewartia malacodendron</i>	Silky camellia
G3?	S2	N	LT	<i>Ruellia noctiflora</i>	White-flowered wild petunia	G4G5T2	S2	C2	N	<i>Stillingia sylvatica</i> ssp <i>tenuis</i>	A queen's delight
G2	S1	N	LE	<i>Sachsia polycephala</i>	Bahama sachsia	G4	S1	N	LE	<i>Strumpfia maritima</i>	Pride-of-big-pine
G5	S1	N	LE	<i>Salix eriocephala</i>	Heart-leaved willow	G2G3	S2S3	N	N	<i>Stylisma abdita</i>	Scrub stylisma
G2	S2	C2	LT	<i>Salix floridana</i>	Florida willow	G2	S2	N	N	<i>Stylosanthes calicicola</i>	Pineland pencil flowers
G2	S2	3C	LE	<i>Salpingostylis coelestina</i>	Bartram's ixia	G3G4	S2	N	LT	<i>Swietenia mahagoni</i>	West Indies mahogany
GH	SH	3B	N	<i>Salvia blodgettii</i>	Blodgett's sage	G2	S2	C2	LE	<i>Taxus floridana</i>	Florida yew
G?	S1	N	N	<i>Salvia chapmanii</i>	Chapman's sage	G2?	SX	C2	LE	<i>Tectaria coriandrifolia</i>	Hattie bauer halberd fern
G5	S1	N	LE	<i>Salvia urticifolia</i>	Nettle-leaved sage	GU	S1S2	N	(LT)	<i>Tectaria incisa</i>	Incised halberd
G3	S3	C2	LE	<i>Sarracenia leucophylla</i>	White-top pitcher-plant						

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FNAI global rank, FNAI state rank, federal status, state status (see attached rank explanation sheet), scientific name, common name

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G2G4	S2	N	(LT)	<i>Tectaria lobata</i>	Lobed halberd	G1	S1	C2	LE	<i>Vicia ocalensis</i>	Ocala vetch
GHQ	SH	C2	(LT)	<i>Tectaria x amesiana</i>	Ames halberd fern	G5T?	S1	N	LE	<i>Viola tripartita</i> var <i>glaberrima</i>	Halberd-leaved yellow violet
G1Q	S1	C2	LE	<i>Tephrosia angustissima</i>	Coastal hoary-pea	G1	S1	LE	LE	<i>Warea amplexifolia</i>	Clasping warea
G2	S2	N	N	<i>Tephrosia corallicola</i>	Everglades key hoary-pea	G1G2	S1S2	LE	LE	<i>Warea carteri</i>	Carter's warea
G2?Q	S1	C2	N	<i>Tephrosia mohrii</i>	Pineland hoary-pea	G5	S3S4	N	(LT)	<i>Woodsia obtusa</i>	Blunt-lobed cliff fern
G3G4	S1	N	(LT)	<i>Tetramicra canaliculata</i>	Grooved tetramicra	G5	S1	N	LE	<i>Xanthorhiza simplicissima</i>	Yellow-root
G3G5	S3	N	LT	<i>Tetrazygia bicolor</i>	Tetrazygia	G2	S1	N	N	<i>Xyris chapmanii</i>	Chapman's yellow-eyed grass
G1	S1	LE	LE	<i>Thalictrum cooleyi</i>	Cooley's meadowrue						
G5	S2	N	(LT)	<i>Thelypteris reptans</i>	Creeping fern	G3	S2	C2	N	<i>Xyris drummondii</i>	Drummond's yellow-eyed grass
G3G4	S1	N	(LT)	<i>Thelypteris sclerophylla</i>	Hard-leaved shield fern	G2?	S2	C2	N	<i>Xyris isoetifolia</i>	Quillwort yellow-eyed grass
G4G5	S3	N	CE	<i>Thrinax morrisii</i>	Brittle thatch palm						
G4G5	S2	N	CE	<i>Thrinax radiata</i>	Florida thatch palm	G2	S2	C2	LE	<i>Xyris longisepala</i>	Karst pond xyris
G4	S3	N	(LT)	<i>Tillandsia flexuosa</i>	Banded wild-pine	G3?	S1	N	N	<i>Xyris louisianica</i>	Kral's yellow-eyed grass
G3	S1	N	LE	<i>Tillandsia pruinosa</i>	Fuzzy-wuzzy air-plant	G2G3	S1	C2	LT	<i>Xyris scabrifolia</i>	Harper's yellow-eyed grass
G1	S1	LE	LE	<i>Torreya taxifolia</i>	Florida torreya						
G4	S3	N	LE	<i>Tournefortia gnaphalodes</i>	Sea lavender	G5	S2?	N	LE	<i>Zanthoxylum americanum</i>	Northern prickly ash
G2	S2	C2	LE	<i>Tragia saxicola</i>	Pineland noseburn	G?	S1	N	N	<i>Zanthoxylum coriaceum</i>	Biscayne prickly ash
G4	S1	N	(LT)	<i>Trichomanes holopterum</i>	Entire-winged bristle fern	G?	S1	N	LE	<i>Zanthoxylum flavum</i>	Yellowheart, satinwood
						G2?	S2S3	3C	LE	<i>Zephyranthes simpsonii</i>	Rain lily
G5	S1S2	N	(LT)	<i>Trichomanes krausii</i>	Kraus' bristle fern	G1	S1	LE	LE	<i>Ziziphus celata</i>	Scrub ziziphus
G3	S1S2	N	(LT)	<i>Trichomanes petersii</i>	Plateau bristle fern	<u>LICHENS</u>					
G4G5	S2	N	(LT)	<i>Trichomanes punctatum</i>	Florida bristle fern	G1	S1	LE	N	<i>Cladonia perforata</i>	Perforate reindeer lichen
G3	S2	N	LE	<i>Trillium lancifolium</i>	Narrow-leaved trillium	G3?	S1	N	N	<i>Coccocarpia asterella</i>	
G1	S1	C2	(LT)	<i>Triphora craigheadii</i>	Craighead's nodding-caps	NUMBER OF ELEMENTS: 472					
GH	SH	C2	(LT)	<i>Triphora latifolia</i>	Broad-leaved nodding-caps						
G2	S2	N	(LT)	<i>Triphora yucatenensis</i>	Rickett's nodding-caps						
G2	S2	C2	LE	<i>Tripsacum floridanum</i>	Florida gama grass						
G3G5	S1	N	LE	<i>Tropidia polystachya</i>	Young-palm orchid						
G5	S1	N	N	<i>Ulmus crassifolia</i>	Cedar elm						
G3?	S1	N	N	<i>Uvularia floridana</i>	Florida merrybells						
G4	S1	N	N	<i>Vallesia antillana</i>	Pearl berry						
G3	S2	N	LE	<i>Vanilla barbellata</i>	Worm-vine orchid						
G1G3	S1	N	(LT)	<i>Vanilla mexicana</i>	Scentless vanilla						
G3	S2	N	(LT)	<i>Vanilla phaeantha</i>	Brown-flowered vanilla						
G5	S2	3C	LE	<i>Veratrum woodii</i>	False hellebore						
G2G3	S2S3	C2	LT	<i>Verbesina chapmanii</i>	Chapman's crownbeard						
G2	S2	C2	N	<i>Verbesina heterophylla</i>	Variable-leaf crownbeard						
G2	S2	N	N	<i>Vernonia blodgettii</i>	Blodgett's ironweed						

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Summary tables of FNAI global rank, FNAI state rank, federal status, and state status:

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Global Rank summary of FNAI-listed plants and lichens**

Taxa tracked at the specific level:

	tot#	G1-	G2-	G3-	G4-	G5-	G6-	GX	GU	G?	#Gtaxa
Plants	(470)	73	96	89	62	69	3	1	5	19	417
Lichens	(2)	1	0	1	0	0	0	0	0	0	2
	(472)	74	96	90	62	69	3	1	5	19	419

Taxa tracked at the infra-specific level:

	tot#	T1-	T2-	T3-	T4-	TH	TU	T?	#Ttaxa
Plants	(470)	23	19	4	2	1	2	2	53

Federal and State status summary of FNAI-listed plants and lichens

Federal (U. S. Fish and Wildlife Service)

	tot#	LE	PE	LT	C1	C2	3A	3B	3C	total# w/status	No status
Plants	(470)	43	1	11	1	131	2	1	35	225	246
Lichens	(2)	1	0	0	0	0	0	0	0	1	1
	(472)	44	1	11	1	131	2	1	37	226	247

State (Florida Department of Agriculture)

	tot#	LE	PE	LT	(LT)	CE	total# w/status	No status
Plants	(470)	196	1	55	68	4	324	146

State Rank summary of FNAI-listed plants and lichens**

	tot#	S1-	S2-	S3-	SH	SX	SU
Plants	(470)	235	164	60	8	3	1
Lichens	(2)	2	0	0	0	0	0
	(472)	237	164	60	8	3	1

** Compound ranks (e.g., G1G2, S1S3) are categorized according to their higher rank (i.e, lower number). For the above purpose, Q and ? are ignored.

Florida Natural Areas Inventory - Special Vertebrates

FNAI global rank, FNAI state rank, federal status, state status (see attach rank explanation sheet), scientific name, common name

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FISHES (47)

G5	S3	N	N	<i>Acantharchus pomotis</i>	Mud sunfish	G5	S1	N	N	<i>Percina vigil</i>	Saddleback darter
G3	S1	LE	LE	<i>Acipenser brevirostrum</i>	Shortnose sturgeon	G5	SA	N	N	<i>Petromyzon marinus</i>	Sea lamprey
G3	S2	LT ¹	LS	<i>Acipenser oxyrhynchus</i>	Atlantic sturgeon	G4	S4	N	LS	<i>Pteronotropis welaka</i>	Bluenose shiner
G5	S3	N	N	<i>Agonostomus monticola</i>	Mountain mullet	G5	S3	N	LS	<i>Rivulus marmoratus</i>	Mangrove rivulus
G4	S3	N	N	<i>Ameiurus brunneus</i>	Snail bullhead	G1G3	S1	N	LS	<i>Starksia starcki</i>	Key blenny
G3	S3	N	N	<i>Ameiurus serracanthus</i>	Spotted bullhead	G5	S3	N	N	<i>Umbra pygmaea</i>	Eastern mudminnow
G5	S3	N	N	<i>Atractosteus spatula</i>	Alligator gar						
G5	S1S2	N	N	<i>Awaous tajasica</i>	River goby	AMPHIBIANS (14)					
G5	S2	N	N	<i>Bairdiella sanctaeluciae</i>	Striped croaker	G2G3	S2S3	C2	N	<i>Ambystoma cingulatum</i>	Flatwoods salamander
G3	S1	C2	LT	<i>Crystallaria asprella</i>	Crystal darter	G5	S3?	N	N	<i>Ambystoma tigrinum</i>	Tiger salamander
G2	S1	C2	N	<i>Cyprinella callitaenia</i>	Bluestripe shiner	G3	S3	N	N	<i>Amphiuma pholeter</i>	One-toed amphiuma
G3	S2S3	N	N	<i>Cyprinella leedsii</i>	Bannerfin shiner	G3	S3	N	N	<i>Desmognathus apalachicola</i>	Apalachicola dusky salamander
G5T2	S2	N	LS	<i>Cyprinodon variegatus hubbsii</i>	Lake Eustis pupfish	G5	S1	N	N	<i>Desmognathus monticola</i>	Seal salamander
G5	S3	N	N	<i>Enneacanthus chaetodon</i>	Blackbanded sunfish	G2	S2	C2	LS	<i>Haideotriton wallacei</i>	Georgia blind salamander
G4	S1	N	LS	<i>Etheostoma histrio</i>	Harlequin darter	G5	S2	N	N	<i>Hemidactylum scutatum</i>	Four-toed salamander
G2	S2	LE	LE	<i>Etheostoma okaloosae</i>	Okaloosa darter	G4	S3	N	LS	<i>Hyla andersonii</i>	Pine Barrens treefrog
G5	S1	N	LS	<i>Etheostoma olmstedii</i>	Tessellated darter	G2G3	S2S3	N	N	<i>Notophthalmus perstriatus</i>	Striped newt
G4	S2	N	N	<i>Etheostoma parvipinne</i>	Goldstripe darter	G5T1	S1	C2	N	<i>Pseudobranchius striatus lustricolus</i>	Gulf hammock dwarf siren
G5	S2	N	N	<i>Etheostoma proeliare</i>	Cypress darter	G3	S3	C2	LS	<i>Rana capito</i>	Gopher frog
G3G4Q	S1S2	N	N	<i>Fundulus blairae</i>	Blair's starhead topminnow	G2	S2	C2	LS	<i>Rana okaloosae</i>	Florida bog frog
G3	S2	N	LS	<i>Fundulus jenkinsi</i>	Saltmarsh topminnow	G5	S2	N	N	<i>Rana virgatipes</i>	Carpenter frog
G3	S3	N	N	<i>Gambusia rhizophorae</i>	Mangrove gambusia	G5	S1	N	N	<i>Stereochilus marginatus</i>	Many-lined salamander
G5	S2	N	N	<i>Gobiomorus dormitor</i>	Bigmouth sleeper						
G7	S1	N	N	<i>Gobionellus pseudofasciatus</i>	Slashcheek goby	REPTILES (39)					
G4	S2	N	N	<i>Gobionellus stigmaturus</i>	Spottail goby	G5	S2	N	N	<i>Agkistrodon contortrix</i>	Copperhead
G5?	S1S2	N	N	<i>Hybognathus hayi</i>	Cypress minnow	G5	S4	LTSA	LS	<i>Alligator mississippiensis</i>	American alligator
G5	S1SE?	N	N	<i>Luxilus chrysocephalus</i>	Striped shiner	G5T5	S2?	N	N	<i>Apalone mutica calvata</i>	Gulf coast smooth softshell
G3	S1S2	N	N	<i>Luxilus zonistius</i>	Bandfin shiner	G3	S3	LT	LT	<i>Caretta caretta</i>	Loggerhead
G4	S2	N	N	<i>Lythrurus atrapiculus</i>	Blacktip shiner	G3	S2	LE	LE	<i>Chelonia mydas</i>	Green turtle
G3	S2	N	N	<i>Macrhybopsis sp 2</i>	Florida chub	G5	S3?	N	N	<i>Clemmys guttata</i>	Spotted turtle
G2Q	S2	N	LT	<i>Menidia conchorum</i>	Key silverside	G2	S1	LE	LE	<i>Crocodylus acutus</i>	American crocodile
G5	S2	N	N	<i>Microphis brachyurus</i>	Opossum pipefish	G5	S?	N	N	<i>Crotalus adamanteus</i>	Eastern diamondback rattlesnake
G2G3	S2S3	N	LS	<i>Micropterus notius</i>	Suwannee bass	G5	S3	N	N	<i>Crotalus horridus</i>	Canebrake rattlesnake
G2	S1	N	LS	<i>Micropterus sp 1</i>	Shoal bass						
G4	S1S2	N	N	<i>Moxostoma carinatum</i>	River redhorse						
G2	S2	N	N	<i>Moxostoma sp 1</i>	Grayfin redhorse						
G5	S1SE?	N	N	<i>Nocomis leptcephalus</i>	Bluehead chub						
G5	S1SE?	N	N	<i>Notropis baileyi</i>	Rough shiner						
G5	S4	N	N	<i>Notropis cummingsae</i>	Dusky shiner						
G1G2	S1	C2	LE	<i>Notropis melanostomus</i>	Blackmouth shiner						
G3	S2	N	N	<i>Percina sp 7</i>	Florida logperch						

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REPTILES (cont.)

G3	S2	LE	LE	<i>Dermochelys coriacea</i>	Leatherback turtle
G5T1	S1	C2	LT	<i>Diadophis punctatus acricus</i>	Key ringneck snake
G4T3	S3	LT	LT	<i>Drymarchon corais couperi</i>	Eastern indigo snake
G5T2Q	S2	N	LS	<i>Elaphe guttata pop 1</i>	Lower Keys red rat snake
G3	S1	LE	LE	<i>Eretmochelys imbricata</i>	Hawksbill
G5	S3	N	N	<i>Eumeces anthracinus</i>	Coal skink
G4T2	S2	C2	LS	<i>Eumeces egregius egregius</i>	Florida Keys mole skink
G4T1	S1	C2	N	<i>Eumeces egregius insularis</i>	Cedar Keys mole skink
G4T2	S2	LT	LT	<i>Eumeces egregius lividus</i>	Blue-tailed mole skink
G5T1	S1	N	N	<i>Farancia erythrogramma seminola</i>	South florida rainbow snake
G3	S3	C2	LS	<i>Gopherus polyphemus</i>	Gopher tortoise
G2	S2	C2	LS	<i>Graptemys barbouri</i>	Barbour's map turtle
G2	S2	N	N	<i>Graptemys ernsti</i>	Ernst's map turtle
G5T2Q	S2	N	LE	<i>Kinosternon baurii pop 1</i>	Key mud turtle
G5	S2S3	N	N	<i>Lampropeltis calligaster</i>	Mole snake
G5T2	S2	N	N	<i>Lampropeltis getula goini</i>	Apalachicola kingsnake
G1	S1	LE	LE	<i>Lepidochelys kempii</i>	Atlantic ridley
G3G4	S3	C2	LS	<i>Macrocllemys temminckii</i>	Alligator snapping turtle
G5T2?	S2?	N	N	<i>Malaclemys terrapin rhizophororum</i>	Mangrove terrapin
G2	S2	LT	LT	<i>Neoseps reynoldsi</i>	Sand skink
G4T3	S3?	C2	N	<i>Nerodia clarkii clarkii</i>	Gulf salt marsh snake
G4T1	S1	LT	LT	<i>Nerodia clarkii taeniata</i>	Atlantic salt marsh snake
G5	S1	N	N	<i>Nerodia cyclopion</i>	Mississippi green water snake
G5T3?	S3	C2	LS	<i>Pituophis melanoleucus mugitus</i>	Florida pine snake
G5T3	S3	N	LS	<i>Pseudemys concinna suwanniensis</i>	Suwannee cooter
G3	S3	C2	N	<i>Sceloporus woodi</i>	Florida scrub lizard
G3	S3	C2	LT	<i>Stilosoma extenuatum</i>	Short-tailed snake
G5T1Q	S1	N	LT	<i>Storeria dekayi pop 1</i>	Lower Keys brown snake
G1G2Q	S1S2	C2	LT	<i>Tantilla oolitica</i>	Rim rock crowned

G5T1Q	S1	N	LT	<i>Thamnophis sauritus pop 1</i>	Lower Keys ribbon snake
BIRDS (76)					
G4	S3?	N	N	<i>Accipiter cooperii</i>	Cooper's hawk
G3	S3	C2	N	<i>Aimophila aestivalis</i>	Bachman's sparrow
G5	S2S3	N	LS	<i>Ajaia ajaja</i>	Roseate spoonbill
G4T4	S1	N	N	<i>Ammodramus maritimus fisheri</i>	Louisiana seaside sparrow
G4T2	S2	3C	LS	<i>Ammodramus maritimus juncicolus</i>	Wakulla seaside sparrow
G4T1	S1	LE	LE	<i>Ammodramus maritimus mirabilis</i>	Cape Sable seaside sparrow
G4TX	SX	N	N	<i>Ammodramus maritimus nigrescens</i>	Dusky seaside sparrow
G4T2Q	S2?	3A	N	<i>Ammodramus maritimus pelonotus</i>	Smyrna seaside sparrow
G4T2	S2	N	LS	<i>Ammodramus maritimus peninsulae</i>	Scott's seaside sparrow
G4T1	S1	LE	LE	<i>Ammodramus savannarum floridanus</i>	Florida grasshopper sparrow
G5	S1	N	N	<i>Anous stolidus</i>	Brown noddy
G5T3	S3	LT	LT	<i>Aphelocoma coerulescens</i>	Florida scrub jay
G5	S3	N	LS	<i>Aramus guarauna</i>	Limpkin
G5T2	S2	N	N	<i>Ardea herodias occidentalis</i>	Great white heron
G4?	S3	N	N	<i>Buteo brachyurus</i>	Short-tailed hawk
G1	SX	LE	LE	<i>Campephilus principalis</i>	Ivory-billed woodpecker
G5	S4	N	N	<i>Casmerodius albus</i>	Great egret
G4?	S2	C2	LT	<i>Charadrius alexandrinus</i>	Snowy plover
G3	S2	LT	LT	<i>Charadrius melodus</i>	Piping plover
G4	S3	N	N	<i>Chordeiles gundlachii</i>	Antillean nighthawk
G5T3	S2	N	LS	<i>Cistothorus palustris griseus</i>	Worthington's marsh wren
G5T3	S3?	N	LS	<i>Cistothorus palustris marianae</i>	Marian's marsh wren
G5	S3	N	N	<i>Coccyzus minor</i>	Mangrove cuckoo
G3	S3	C2	LT	<i>Columba leucocephala</i>	White-crowned pigeon
GX	SX	N	N	<i>Conuropsis carolinensis</i>	Carolina parakeet
G5T3	S3	N	N	<i>Dendroica discolor paludicola</i>	Florida prairie warbler
G5T3Q	S2S3	C2	N	<i>Dendroica dominica stoddardi</i>	Stoddard's yellow-throated warbler
G1	S1	LE	LE	<i>Dendroica kirtlandii</i>	Kirtland's warbler

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BIRDS (cont.)

G5T4	S3	N	N	<i>Dendroica petechia gundlachi</i>	Cuban yellow warbler
GX	SX	N	N	<i>Ectopistes migratorius</i>	Passenger pigeon
G5	S4	N	LS	<i>Egretta caerulea</i>	Little blue heron
G4	S2	C2	LS	<i>Egretta rufescens</i>	Reddish egret
G5	S4	N	LS	<i>Egretta thula</i>	Snowy egret
G5	S4	N	LS	<i>Egretta tricolor</i>	Tricolored heron
G5	S2S3	N	N	<i>Elanoides forficatus</i>	American swallow-tailed kite
G5	S1S3	N	N	<i>Elanus leucurus</i>	White-tailed kite
G5	S4	N	N	<i>Eudocimus albus</i>	White ibis
G4	SU	N	N	<i>Falco columbarius</i>	Merlin
G3	S2	LT	LE	<i>Falco peregrinus</i>	Peregrine falcon
G5T3T4	S3?	C2	LT	<i>Falco sparverius paulus</i>	Southeastern American kestrel
G5	S1	N	N	<i>Fregata magnificens</i>	Magnificent frigatebird
G3	SX	N	N	<i>Geotrygon chrysia</i>	Key west quail-dove
G1	SXC	LT ²	LS	<i>Grus americana</i>	Whooping crane
G5T2T3	S2S3	N	LT	<i>Grus canadensis pratensis</i>	Florida sandhill crane
G5	S3	N	LS	<i>Haematopus palliatus</i>	American oystercatcher
G3	S2S3	LE	LT	<i>Haliaeetus leucocephalus</i>	Bald eagle
G5	S1	N	N	<i>Helminthos vermivorus</i>	Worm-eating warbler
G5	S4	N	N	<i>Ixobrychus exilis</i>	Least bittern
G4?	S3?	C2	N	<i>Laterallus jamaicensis</i>	Black rail
G4	S2	LE	LE	<i>Mycteria americana</i>	Wood stork
G5	S3?	N	N	<i>Nyctanassa violacea</i>	Yellow-crowned night-heron
G5	S3?	N	N	<i>Nycticorax nycticorax</i>	Black-crowned night-heron
G5	S3S4	N	LS ³	<i>Pandion haliaetus</i>	Osprey
G4	S3	N	LS	<i>Pelecanus occidentalis</i>	Brown pelican
G2	S2	LE	LT	<i>Picoides borealis</i>	Red-cockaded woodpecker
G5	S3?	N	N	<i>Picoides villosus</i>	Hairy woodpecker
G5	S2	N	N	<i>Plegadis falcinellus</i>	Glossy ibis
G5	S2	LT	LT	<i>Polyborus plancus</i>	Crested caracara
G5T3	S3	C2	N	<i>Rallus longirostris insularum</i>	Mangrove clapper rail
G5T3?	S3?	N	N	<i>Rallus longirostris scottii</i>	Florida clapper rail
G5	S1S2	N	N	<i>Recurvirostra americana</i>	American avocet

G4T1	S1	LE	LE	<i>Rostrhamus sociabilis plumbeus</i>	Snail kite
G5	S3	N	N	<i>Rynchops niger</i>	Black skimmer
G5	S3	N	N	<i>Seiurus motacilla</i>	Louisiana waterthrush
G5	S3	N	N	<i>Setophaga ruticilla</i>	American redstart
G5	S2	N	N	<i>Sitta carolinensis</i>	White-breasted nuthatch
G5T3	S3	N	LS	<i>Speotyto cunicularia floridana</i>	Florida burrowing owl
G4	S3	N	LT	<i>Sterna antillarum</i>	Least tern
G5	S2?	N	N	<i>Sterna caspia</i>	Caspian tern
G3	S1	LT	LT	<i>Sterna dougallii</i>	Roseate tern
G5	S1	N	N	<i>Sterna fuscata</i>	Sooty tern
G5	S3	N	N	<i>Sterna maxima</i>	Royal tern
G4	S2	N	N	<i>Sterna sandvicensis</i>	Sandwich tern
G1	SH	LE	LE	<i>Vermivora bachmanii</i>	Bachman's warbler
G5	S3	N	N	<i>Vireo altiloquus</i>	Black-whiskered vireo
G5	SX	N	N	<i>Zenaida aurita</i>	Zenaida dove

MAMMALS (48)

G2	S?	LE	LE	<i>Balaena glacialis</i>	Right whale
G5T1	S1	C2	LS	<i>Blarina carolinensis shermani</i>	Sherman's short-tailed shrew
G4	SX	N	N	<i>Bos bison</i>	American bison
G1	SX	LE	N	<i>Canis rufus</i>	Red wolf
G4	S3?	C2	N	<i>Corynorhinus rafinesquii</i>	Rafinesque's big-eared bat
G5	S3	N	N	<i>Eptesicus fuscus</i>	Big brown bat
G5?T1, S2?	C1	LE		<i>Eumops glaucinus floridanus</i>	Florida mastiff bat
G4T1	S1	LE	LE	<i>Felis concolor coryi</i>	Florida panther
G5	SU	N	N	<i>Lasiurus cinereus</i>	Hoary bat
G5T1	S1	LE	LE	<i>Microtus pennsylvanicus dukecampbelli</i>	Saltmarsh vole
GX	SX	LE	N	<i>Monachus tropicalis</i>	West Indian monk seal
G5T4	S3?	N	N	<i>Mustela frenata olivacea</i>	Southeastern weasel
G5T3	S3?	3C	N	<i>Mustela frenata peninsulae</i>	Florida long-tailed weasel
G5T3	S3	N	N	<i>Mustela vison halilimnetes</i>	Gulf salt marsh mink
G5T3	S2	C2	N	<i>Mustela vison lutensis</i>	Atlantic salt marsh mink
G5T2	S2	3B ⁴	LT ⁴	<i>Mustela vison mink pop 1</i>	Southern mink

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MAMMALS (cont.)

G4	S?	C2	N	<i>Myotis austroriparius</i>	Southeastern bat	G5T5	S4	N	N	<i>Sorex longirostris longirostris</i>	Southeastern shrew
G2	S1	LE	LE	<i>Myotis grisescens</i>	Gray bat	G5T1	S1	LE	LE	<i>Sylvilagus palustris hefneri</i>	Lower Keys rabbit
G4	SH	N	N	<i>Myotis septentrionalis</i>	Northern long-eared myotis	G5	S1	N	LS	<i>Tamias striatus</i>	Eastern chipmunk
G2	SA	LE	LE	<i>Myotis sodalis</i>	Indiana bat	G2?	S2?	LE	LE	<i>Trichechus manatus</i>	Manatee
G3	S3	C2	N	<i>Neofiber alleni</i>	Round-tailed muskrat	G5T2	S2	C2	LT ⁵	<i>Ursus americanus floridanus</i>	Florida black bear
G5T1	S1	LE	LE	<i>Neotoma floridana smalli</i>	Key Largo woodrat						
G5T1	S1	LE	LE	<i>Odocoileus virginianus clavium</i>	Key deer						
G5T1Q	S1	3B	N	<i>Oryzomys palustris pop 1</i>	Pine Island rice rat						
G5T1Q	S1	3B	LS	<i>Oryzomys palustris pop 2</i>	Sanibel Island rice rat						
G5T2Q	S2	LE	LE	<i>Oryzomys palustris pop 3</i>	Silver rice rat						
G5T1	S1	LE	LE	<i>Peromyscus gossypinus allapaticola</i>	Key Largo cotton mouse						
G5T1Q	SX	N	N	<i>Peromyscus gossypinus anastasae</i>	Anastasia Island cotton mouse						
G5TX	SX	N	N	<i>Peromyscus gossypinus restrictus</i>	Chadwick Beach cotton mouse						
G5T1	S1	LE	LE	<i>Peromyscus polionotus allophrys</i>	Choctawhatchee beach mouse						
G5TX	SX	N	N	<i>Peromyscus polionotus decoloratus</i>	Pallid beach mouse						
G5T1	S1	C2	N	<i>Peromyscus polionotus leucocephalus</i>	Santa Rosa beach mouse						
G5T1	S1	LT	LT	<i>Peromyscus polionotus niveiventris</i>	Southeastern beach mouse						
G5T1	S1	C1	LE	<i>Peromyscus polionotus peninsularis</i>	St. Andrews beach mouse						
G5T1	S1	LE	LE	<i>Peromyscus polionotus phasma</i>	Anastasia Island beach mouse						
G5T1	S1	LE	LE	<i>Peromyscus polionotus trissyllepsis</i>	Perdido Key beach mouse						
G3	S3	C2	LS	<i>Podomys floridanus</i>	Florida mouse						
G5T2?	S2?	C2	N	<i>Procyon lotor auspicatus</i>	Key Vaca raccoon						
G5T2	S2	C2	LT	<i>Sciurus niger avicennia</i>	Mangrove fox squirrel						
G5T2	S2	C2	LS	<i>Sciurus niger shermani</i>	Sherman's fox squirrel						
G5T2	S2	N	N	<i>Sigmodon hispidus exspatus</i>	Lower Keys cotton rat						
G5T1T2	S1S2	C2	N	<i>Sigmodon hispidus insulicola</i>	Insular cotton rat						
G5T1	S1	3C	LS	<i>Sorex longirostris eionis</i>	Homosassa shrew						

¹ Applicable to subspecies *desotoi* only

² Florida experimental population; listed elsewhere as endangered.

³ Applicable in Monroe County only

⁴ Everglades population (formerly *M. v. evergladensis*)

⁵ Not applicable in Baker and Columbia counties and Apalachicola National Forest

NUMBER OF ELEMENTS: 224

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Summary table of FNAI global rank, FNAI state rank, federal status, and state status

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Global Rank summary of FNAI-listed vertebrates*

Taxa tracked at the specific level:

	tot#	G1-	G2-	G3-	G4-	G5-	GX-	G?	#Gtaxa
Fishes	(47)	2	6	11	7	19	0	1	46
Amphibians	(14)	0	4	3	1	5	0	0	13
Reptiles	(39)	2	4	8	0	8	0	0	22
Birds	(76)	4	1	7	11	31	2	0	56
Mammals	(48)	1	4	2	4	3	1	0	15
	(224)	9	19	31	23	66	4	1	152

Taxa tracked at the infra-specific level:

	tot#	T1-	T2-	T3-	T4-	T5-	TX-	#Ttaxa
Fishes	(47)	0	1	0	0	0	0	1
Amphibians	(14)	1	0	0	0	0	0	1
Reptiles	(39)	6	6	4	0	1	0	17
Birds	(76)	3	5	9	2	0	1	20
Mammals	(48)	19	7	3	1	1	2	33
	(224)	29	19	16	3	2	3	72

State Rank summary of FNAI-listed vertebrates*

	tot#	S1-	S2-	S3-	S4-	S5-	SH	SX-	SA	SU	S?
Fishes	(47)	18	17	9	2	0	0	0	1	0	0
Amphibians	(14)	3	6	5	0	0	0	0	0	0	0
Reptiles	(39)	11	14	12	1	0	0	0	0	0	1
Birds	(76)	12	21	28	6	0	1	7	0	1	0
Mammals	(48)	19	10	7	1	0	1	6	1	1	2
	(224)	62	71	63	10	0	2	13	2	3	1

Federal and State status summary of FNAI-listed vertebrates

Federal (U. S. Fish and Wildlife Service)

	tot#	LE	PE	LT	PT	LTSA	C1	C2	3A	3B	3C	total# w/status	No status
Fishes	(47)	2	0	1	0	0	0	3	0	0	0	6	41
Amphibians	(14)	0	0	0	0	0	0	5	0	0	0	5	9
Reptiles	(39)	5	0	5	0	1	0	11	0	0	0	22	17
Birds	(76)	9	0	6	0	0	0	8	1	0	1	25	51
Mammals	(48)	16	0	1	0	0	2	12	0	3	2	36	12
	(224)	32	0	13	0	1	2	39	1	3	3	94	130

State (Florida Game and Fresh Water Fish Commission)

	tot#	LE	LT	LS	total# w/status	No status
Fishes	(47)	3	2	10	15	32
Amphibians	(14)	0	0	4	4	10
Reptiles	(39)	6	10	8	24	15
Birds	(76)	8	11	15	34	42
Mammals	(48)	16	4	6	26	22
	(224)	33	27	43	103	121

* Compound ranks (e.g., G1G2, S2S3) are categorized according to their higher rank (i.e., lower number). For the above purpose, Q and ? are ignored.

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PHYLUM Porifera (2)

Sponges (Class Demospongiae)

G1G3	S1S3	C2	N	<i>Dosilia palmeri</i>	Oklawaha sponge
G1G3	S?	C2	N	<i>Ephydatia subtilis</i>	Kissimmee sponge

PHYLUM Cnidaria (15)

Corals (Class Anthozoa)

G3	S?	N	N	<i>Acropora cervicornis</i>	Staghorn coral
G3	S?	N	N	<i>Acropora palmata</i>	Elkhorn coral
G3	S?	N	N	<i>Acropora prolifera</i>	Staghorn coral
G4	S?	N	N	<i>Agaricia agaricites</i>	Lettuce coral
G3G4	S?	N	N	<i>Colpophyllia natans</i>	Giant brain coral
G3	S?	N	LE	<i>Dendrogyra cylindrus</i>	Pillar coral
G4G5	S?	N	N	<i>Diploria clivosa</i>	Brain coral
G4	S?	N	N	<i>Diploria labyrinthiformis</i>	Brain coral
G4	S?	N	N	<i>Diploria strigosa</i>	Brain coral
G3G4	S?	N	N	<i>Eusmilia fastigiata</i>	Flower coral
G4	S?	N	N	<i>Meandrina meandrites</i>	Brain coral
G5	S?	N	N	<i>Montastrea annularis</i>	Small star coral
G5	S?	N	N	<i>Montastrea cavernosa</i>	Large star coral
G3G4	S?	N	N	<i>Mussa angulosa</i>	Large flower coral
G4	S?	N	N	<i>Siderastrea siderea</i>	Starlet coral

PHYLUM Mollusca

Snails (Class Gastropoda) (25)

G?	S?	N	N	<i>Amnicola sp 1</i>	Waccamaw snail
G1	S1	C2	N	<i>Aphaostracon asthenes</i>	Blue Spring aphaostracon
G1	S1	N	N	<i>Aphaostracon chalarogyus</i>	Loose-coiled snail
G1	S1	C2	N	<i>Aphaostracon monas</i>	Wekiwa Spring aphaostracon
G1	S1	C2	N	<i>Aphaostracon pycnum</i>	Thick-shelled aphaostracon
G1	S1	N	N	<i>Aphaostracon theiocrenetum</i>	Sulfur Spring aphaostracon
G1	S1	C2	N	<i>Aphaostracon xynoelectum</i>	Fenney Spring aphaostracon
G1	S1	C2	N	<i>Cincinnatia helicogyra</i>	Helicoid spring snail
G1	S1	C2	N	<i>Cincinnatia mica</i>	Sand grain snail

G1	S1	C2	N	<i>Cincinnatia monroensis</i>	Enterprise Spring snail
G1	S1	C2	N	<i>Cincinnatia parva</i>	Blue Spring snail
G1	S1	C2	N	<i>Cincinnatia ponderosa</i>	Ponderosa Spring snail
G1	S1	C2	N	<i>Cincinnatia vanhyningi</i>	Seminole Spring snail
G1	S1	C2	N	<i>Cincinnatia wekiuae</i>	Wekiwa Spring snail
G1	S1	N	N	<i>Dasyscias franzi</i>	Shaggy ghostsnail
G?T?	SU	N	N	<i>Drymaeus multilineatus latizonatus</i>	Wide-banded forest snail
G?	S?	C2	N	<i>Elimia albanyensis</i>	Blackcrested elimia
G2	S2	N	N	<i>Elimia clenchi</i>	Clench's elimia
G?T?	S2	N	LS	<i>Liguus fasciatus matecumbensis</i>	Florida tree snail
G?T?	S1	N	LS	<i>Liguus fasciatus septentrionalis</i>	Florida tree snail
G?T?	S1	N	LS	<i>Liguus fasciatus solidus</i>	Florida tree snail
G3	S3	N	N	<i>Orthalicus floridensis</i>	Banded tree snail
G2T2	S2	N	N	<i>Orthalicus reses nesodryas</i>	Florida Keys tree snail
G2T1	S1	LT	LE	<i>Orthalicus reses reses</i>	Stock Island tree snail
G?	S?	C2	N	<i>Vertigo hebaradi</i>	Keys vertigo

Clams and Mussels (Class Bivalvia) (32)

G4	S1SH	N	N	<i>Alasmidonta undulata</i>	Triangle floater
GH	SH	C2	N	<i>Alasmidonta wrightiana</i>	Florida arc mussel
G2	S2	C2	N	<i>Amblema neislerii</i>	Fat threeridge
G5T3Q	SH	N	N	<i>Amblema plicata perplicata</i>	Roundlake
G1	S1	N	N	<i>Anodonta sp 1</i>	Apalachicola floater
G4	S1S2	N	N	<i>Anodonta suborbiculata</i>	Flat floater
G3	SH	N	N	<i>Anodontoides radiatus</i>	Rayed creekshell
G3	S3?	N	N	<i>Elliptio arcata</i>	Delicate spike
G5	S?	N	N	<i>Elliptio buckleyi</i>	Florida shiny spike
G2Q	S1	N	N	<i>Elliptio chipolaensis</i>	Chipola slabshell
G3Q	S1S2	N	N	<i>Elliptio macmichaeli</i>	Fluted elephant-ear
G2	S?	C2	N	<i>Elliptioideus sloatianus</i>	Purple bankclimber
G2	S?	C2	N	<i>Fusconaia escambia</i>	Narrow pigtoe
G1	S1SH	C2	N	<i>Fusconaia rotulata</i>	Round ebonyshell
G3	S3	N	N	<i>Glebulula rotundata</i>	Round pearlshell
G2	S?	C2	N	<i>Lampsilis australis</i>	Southern sandshell

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Clams and Mussels (Class Bivalvia) cont.

G1?	S1	N	N	<i>Lampsilis ornata</i>	Southern pocketbook
G2	S?	N	N	<i>Medionidus penicillatus</i>	Gulf moccasinshell
G1	S1	N	N	<i>Medionidus simpsonianus</i>	Ochlockonee moccasinshell
G2	S?	N	N	<i>Medionidus walkeri</i>	Suwannee moccasinshell
G3	S?	N	N	<i>Megalonaias boykiniana</i>	Round washboard
G3?	S3?	N	N	<i>Panopea bitruncata</i>	Atlantic geoduck
G4	SH	N	N	<i>Plectomerus dombeyanus</i>	Bankclimber
G2	S?	C2	N	<i>Pleurobema pyriforme</i>	Oval pigtoe
G2	S?	N	N	<i>Pleurobema strodeanum</i>	Fuzzy pigtoe
G2	S1	C2	N	<i>Ptychobranchus jonesi</i>	Southern kidneyshell
G2	S?	N	N	<i>Quincuncina burkei</i>	Tapered pigtoe
G?	S1S2	N	N	<i>Strophitus subvexus</i>	Southern creekmussel
G1G2	SU	N	N	<i>Unio merus declivis</i>	Tapered pondhorn
G3	S?	N	N	<i>Villosa amygdala</i>	Florida rainbow
G2	S1	C2	N	<i>Villosa choctawensis</i>	Choctaw bean
G2	S?	C2	N	<i>Villosa subangulata</i>	Shiny-rayed pocketbook

PHYLUM Arthropoda

Class Arachnida

Scorpions (Order Amblypygi) (1)

G?	S?	N	N	<i>Paraphrynus raptator</i>	Dusky-handed tailless whip scorpion
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Spiders (Order Araneae) (11)

G?	S?	C2	N	<i>Cesonia irvingi</i>	Key gnaphosid spider
G?	S?	C2	N	<i>Cyclocosmia torreyi</i>	Torrey trap-door spider
G?	S?	N	N	<i>Eustala eleuthera</i>	Orb weaver
G?	S?	N	N	<i>Geolycosa xera</i>	McCrone's burrowing wolf spider
G?	S?	N	N	<i>Habrocestum parvulum</i>	Jumping spider
G?	S?	N	N	<i>Latrodectus bishopi</i>	Red widow spider
G?	S?	3C	N	<i>Lycosa ericeticola</i>	Rosemary wolf spider
G?	S?	N	N	<i>Phidippus xerus</i>	Jumping spider
G?	S?	C2	N	<i>Sosippus placidus</i>	Lake Placid funnel wolf spider
G?	S?	N	N	<i>Sphodros abboti</i>	Purse-web spider
G?	S?	N	N	<i>Ummidia sp 1</i>	

Class Malacostraca

Crabs, Crayfishes, Shrimps (Order Decapoda) (21)

G4	S3S4	N	N	<i>Aratus pisonii</i>	Mangrove crab
G2	S2	N	N	<i>Cambarus cryptodytes</i>	Dougherty plain cave crayfish
G5	S4	N	N	<i>Goniopsis cruentata</i>	Mangrove crab
G1	S1	LT	N	<i>Palaemonetes cummingsi</i>	Squirrel Chimney cave shrimp
G1	S1	C2	N	<i>Procambarus acherontis</i>	Palm Springs cave crayfish
G1	S1	N	N	<i>Procambarus attiguus</i>	Silver Glen Springs crayfish
G1	S1	N	N	<i>Procambarus delicatus</i>	Alexander Springs cave crayfish
G1G2	S1S2	N	LS	<i>Procambarus econfinae</i>	Econfina crayfish
G1	S1	N	LS	<i>Procambarus erythropus</i>	Red-eyed cave crayfish
G1	S1	N	N	<i>Procambarus franzi</i>	Orange lake cave crayfish
G1	S1	N	N	<i>Procambarus horsti</i>	Horst's cave crayfish
G2	S2	N	N	<i>Procambarus leitheuseri</i>	Leitheuser's cave crayfish
G2G3	S2S3	N	N	<i>Procambarus lucifugus</i>	Light-fleeing cave crayfish
G1	S1	N	N	<i>Procambarus milleri</i>	Miller's cave crayfish
G1	S1	N	N	<i>Procambarus morrisi</i>	Devil's Sink cave crayfish
G1	S1	N	N	<i>Procambarus orcinus</i>	Woodville cave crayfish
G2G3	S2S3	N	N	<i>Procambarus pallidus</i>	Pallid cave crayfish
G2	S2	C2	LS	<i>Procambarus pictus</i>	Black Creek crayfish
G4?	SH	N	N	<i>Sesarma benedicti</i>	Benedict's wharf crab
G2	S2	N	N	<i>Troglocambarus macleani</i>	McLane's cave crayfish
G?	S?	N	N	<i>Troglocambarus sp 1</i>	

Isopods (Order Isopoda) (4)

G1	S1	N	N	<i>Caecidotea hobbsi</i>	Hobbs' cave isopod
G1	S1	N	N	<i>Caecidotea sp 1</i>	Rock Springs cave isopod
G1	S1	N	N	<i>Caecidotea sp 2</i>	Econfina Blue Springs cave isopod
G?	S?	N	N	<i>Remasellus parvus</i>	

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Amphipods (Order Amphipoda) (3)

G2	S2	C2	N	<i>Crangonyx grandimanus</i>	Florida cave amphipod
G2G3	S2S3	C2	N	<i>Crangonyx hobbsi</i>	Hobbs' cave amphipod
G1?	S?	N	N	<i>Crangonyx sp 1</i>	

Class Insecta

Mayflies (Order Ephemeroptera) (2)

G?	S?	C2	N	<i>Dolania americana</i>	American sand-burrowing mayfly
G?	S?	C2	N	<i>Homoeoneuria dolani</i>	Blackwater sand-filtering mayfly

Dragonflies and Damselflies (Order Odonata) (32)

G3	S?	N	N	<i>Argia pallidulum</i>	Everglades sprite
G1G2	S1S2	C2	N	<i>Cordulegaster sayi</i>	Say's spiketail dragonfly
G4	S4	N	N	<i>Didymops floridensis</i>	Maidencane cruiser
G4	S3	N	N	<i>Dromogomphus armatus</i>	Southeastern rakeleg
G5	SU	N	N	<i>Enallagma traviatum</i>	Slender bluet
G5	S1	N	N	<i>Erpetogomphus designatus</i>	Eastern ringtail
G4	S4	N	N	<i>Gomphaeschna antilope</i>	Sooty darter
G4	S4	N	N	<i>Gomphus cavillaris</i>	Sandhill clubtail
G3	S1S2	N	N	<i>Gomphus diminutus</i>	Diminutive clubtail
G3	S3	N	N	<i>Gomphus geminatus</i>	Twin-striped clubtail
G3	S3	N	N	<i>Gomphus hodgei</i>	Hodges' clubtail
G3G4	SH	N	N	<i>Gomphus hybridus</i>	Cocoa clubtail
G3	S1	N	N	<i>Gomphus modestus</i>	Gulf clubtail
G3	S1	C2	N	<i>Gomphus townesi</i>	Bronze clubtail
G5	S1	N	N	<i>Gomphus vastus</i>	Cobra clubtail
G4	S4	N	N	<i>Helocordulia selysii</i>	Selys' skimmer
G5	S1	N	N	<i>Hetaerina americana</i>	Common rubywing
G5	S2S3	N	N	<i>Lestes inaequalis</i>	Elegant dryad
G2G3	S?	N	N	<i>Libellula jesseana</i>	Purple chaser
G4	S1	N	N	<i>Macromia alleghaniensis</i>	Allegheny River cruiser
G4	S3	N	N	<i>Nannothemis bella</i>	Bog elf
G1G3Q	S1	C2	N	<i>Neurocordulia clara</i>	Apalachicola twilight skimmer
G3	S1	N	N	<i>Neurocordulia molesta</i>	Smoky shadowfly

G4	S1	N	N	<i>Neurocordulia obsoleta</i>	Umber shadowfly
G4	S4	N	N	<i>Progomphus alachuensis</i>	Tawny sand clubtail
G3	S3	C2	N	<i>Progomphus bellei</i>	Belle's sand clubtail
G3	S3	N	N	<i>Somatochlora calverti</i>	Calvert's emerald
G3G4	S?	N	N	<i>Somatochlora georgiana</i>	Coppery emerald
G3G4	S?	N	N	<i>Stylurus laurae</i>	Laura's clubtail
G2G3	S2	N	N	<i>Stylurus potulentus</i>	Yellow-sided clubtail
G4	S3	N	N	<i>Tachopteryx thoreyi</i>	Gray petaltail
G3G4	S2	N	N	<i>Tetragoneuria spinosa</i>	Robust tongtail

Grasshoppers and Allies (Order Orthoptera) (4)

GH	SH	C2	N	<i>Belocephalus micanopy</i>	Big Pine Key conehead katydid
GH	SH	C2	N	<i>Belocephalus sleighti</i>	Keys short-winged conehead katydid
G?	S?	C2	N	<i>Cycloptilum irregularis</i>	Keys scaly cricket
G1G3	S1S3	C2	N	<i>Tettigidea empedonepia</i>	Torreya pygmy grasshopper

Lice (Order Mallophaga) (34)

G?	S?	N	N	<i>Actornithophilus grandiceps</i>	Mallophaga
G?	S?	N	N	<i>Acutifrons mexicanus</i>	Mallophaga
G?	S?	N	N	<i>Ardeicola loculator</i>	Mallophaga
G?	S?	N	N	<i>Austromenopon haematopi</i>	Mallophaga
G?	S?	N	N	<i>Brueelia deficiens</i>	Mallophaga
G?	S?	N	N	<i>Ciconiphilus quadripustulatus</i>	Mallophaga
G?	S?	N	N	<i>Colpocephalum flavescens</i>	Mallophaga
G?	S?	N	N	<i>Colpocephalum mycteriae</i>	Mallophaga
G?	S?	N	N	<i>Colpocephalum occidentalis</i>	Mallophaga
G?	S?	N	N	<i>Colpocephalum polybori</i>	Mallophaga
G?	S?	N	N	<i>Colpocephalum scalariforme</i>	Mallophaga
G?	S?	N	N	<i>Colpocephalum spineum</i>	Mallophaga
G?	S?	N	N	<i>Craspedorrhynchus halioti</i>	Mallophaga
G?	S?	N	N	<i>Craspedorrhynchus obscurus</i>	Mallophaga
G?	S?	N	N	<i>Degeeriella discocephalus</i>	Mallophaga
G?T?	S?	N	N	<i>Degeeriella rufa carruthi</i>	Mallophaga
G?	S?	N	N	<i>Esthioplerum brevicephalum</i>	Mallophaga

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FNAI global rank, FNAI state rank, federal status, state status (see attached rank explanation sheet), scientific name, common name

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Lice (Order Mallophaga) cont.

G?	S?	H	N	<i>Falcolipeurus josephi</i>	Mallophaga	G?	S?	N	N	<i>Ataenius sciurus</i>	Scarab beetle
G?	S?	H	H	<i>Falcolipeurus quadriguttatus</i>	Mallophaga	G?	S?	N	N	<i>Ataenius stroheckeri</i>	Scarab beetle
G?	S?	H	N	<i>Felicola sp 1</i>		G?	S?	C2	N	<i>Ataenius superficialis</i>	Big Pine Key ataenius dung beetle
G?	S?	N	N	<i>Fregatiella aurifasciata</i>	Mallophaga	G?	S?	C2	N	<i>Ataenius woodruffi</i>	Woodruff's ataenius dung beetle
G?	S?	H	H	<i>Gruimenopon canadense</i>	Mallophaga						
G?	S?	N	N	<i>Helenomus assimilis</i>	Mallophaga	G?	S?	N	N	<i>Bolbocerosoma hamatum</i>	Scarab beetle
G?	S?	H	H	<i>Kurodaia haliaeeti</i>	Mallophaga	G5TH?Q	S?	N	N	<i>Cicindela abdominalis floridana</i>	Miami tiger beetle
G?	S?	H	N	<i>Neophilopterus heteropygus</i>	Mallophaga						
G?	S?	H	N	<i>Pectinopygus fregatiphagus</i>	Mallophaga	G1	S1	C2	N	<i>Cicindela highlandensis</i>	Lake Wales Ridge tiger beetle
G?	S?	H	H	<i>Pectinopygus occidentalis</i>	Mallophaga						
G?	S?	H	H	<i>Piagetiella bursaepelecani</i>	Mallophaga	G3?	S?	N	N	<i>Cicindela hirtilabris</i>	Peninsular tiger beetle
G?	S?	N	H	<i>Quadriceps auratus</i>	Mallophaga	G3	S?	N	N	<i>Cicindela scabrosa</i>	Scrub tiger beetle
G?	S?	H	H	<i>Quadriceps giebeli</i>	Mallophaga	G?	S?	C2	N	<i>Copris gopheri</i>	Copris tortoise commensal scarab beetle
G?	S?	N	N	<i>Quadriceps nychthemerus</i>	Mallophaga	G?	S?	N	N	<i>Copris howdeni</i>	Scarab beetle
G?	S?	N	N	<i>Saemundssonina haematopi</i>	Mallophaga	G?	S?	N	N	<i>Cotinis sp 1</i>	Scarab beetle
G?	S?	N	N	<i>Saemundssonina melanocephalus</i>	Mallophaga	G?	S?	N	N	<i>Cremastocheilus squamulosus</i>	Scarab beetle
G?T?	S?	N	N	<i>Trichodectes pinguis euarctidos</i>	Mallophaga	G?	S?	C2	N	<i>Cyclocephala miamiensis</i>	Miami roundhead scarab beetle

Beetles (Order Coleoptera) (61)

G?	S?	H	N	<i>Acanthocerus aeneus</i>	Scarab beetle	GH	SH	C2	N	<i>Desmopachria cenchramis</i>	Fig seed diving beetle
G?	S?	C2	N	<i>Anomala exigua</i>	Exiguous anomala scarab beetle	G?	S?	N	N	<i>Diplotaxis rufa</i>	Scarab beetle
G?	S?	C2	N	<i>Anomala eximia</i>	Archbold anomala scarab beetle	G?	S?	N	N	<i>Eucanthus alutaceus</i>	Scarab beetle
G?T?	S?	H	N	<i>Anomala flavipennis okaloosensis</i>	Scarab beetle	G?	S?	C2	N	<i>Gronocarus multispinosus</i>	Spiny Florida sandhill scarab beetle
G?	S?	H	H	<i>Anomala robinsoni</i>	Scarab beetle	G?	S?	N	N	<i>Hypotrachia spissipes</i>	Scarab beetle
G?	S?	H	N	<i>Aphodius aegrotus</i>	Scarab beetle	G1G3	S?	C2	N	<i>Micronaspis floridana</i>	Florida intertidal firefly
G?	S?	H	N	<i>Aphodius haldemani</i>	Scarab beetle	G?	S?	N	N	<i>Mycotrupes cartwrighti</i>	Scarab beetle
G?	S?	H	N	<i>Aphodius laevigatus</i>	Scarab beetle	G?	S?	N	N	<i>Mycotrupes gaigei</i>	Scarab beetle
G?	S?	C2	N	<i>Aphodius troglodytes</i>	Aphodius tortoise commensal scarab beetle	G?	S?	C2	N	<i>Mycotrupes pedester</i>	Scrub Island burrowing scarab beetle
G?	S?	N	N	<i>Aphotaenius carolinus</i>	Scarab beetle	G1	S?	LE	N	<i>Nicrophorus americanus</i>	American burying beetle
G?	S?	N	N	<i>Ataenius brevicollis</i>	Scarab beetle	G?	S?	N	N	<i>Onthophagus aciculatulus</i>	Scarab beetle
G?	S?	N	N	<i>Ataenius havanensis</i>	Scarab beetle	G?	S?	C2	N	<i>Onthophagus polyphemi polyphemi</i>	Onthophagus tortoise commensal scarab beetle
G?	S?	N	N	<i>Ataenius rudellus</i>	Scarab beetle	G?	S?	C2	N	<i>Onthophagus polyphemi sparsisetosus</i>	Onthophagus tortoise commensal scarab beetle
G?	S?	N	N	<i>Ataenius saramari</i>	Scarab beetle	G?	S?	N	N	<i>Peltotrupes profundus</i>	Scarab beetle
						G?	S?	C2	N	<i>Peltotrupes youngi</i>	Ocala burrowing scarab beetle

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Beetles (Order Coleoptera) cont.

G?T1T3	S?	C2	N	<i>Photuris brunnipennis floridana</i>	Everglades brownwing firefly	G?	S?	N	N	<i>Neotrichia elerobi</i>	Elerob's microcaddisfly
G1G3	S?	C2	N	<i>Photuris sp 1</i>	Turtle mound firefly	G1	S?	C2	N	<i>Ochrotrichia provosti</i>	Provost's microcaddisfly
G?	S?	N	N	<i>Phyllophaga elizoria</i>	Scarab beetle	G2	S1	N	N	<i>Oecetis daytona</i>	Daytona long-horned caddisfly
G?	S?	N	N	<i>Phyllophaga elongata</i>	Scarab beetle	G?	S?	C2	N	<i>Oecetis parva</i>	Banks' little setodine caddisfly
G?	S?	N	N	<i>Phyllophaga okeechobea</i>	Scarab beetle	G1	S?	N	N	<i>Oecetis pratelia</i>	Little meadow long-horned caddisfly
G?	S?	N	N	<i>Phyllophaga ovalis</i>	Scarab beetle	G3G5	S1	N	N	<i>Orthotrichia curta</i>	Short orthotrichian microcaddisfly
G?	S?	N	N	<i>Phyllophaga panorpa</i>	Scarab beetle	G1G2	S1	N	N	<i>Orthotrichia dentata</i>	Dentate orthotrichian microcaddisfly
G?	S?	N	N	<i>Phyllophaga youngi</i>	Scarab beetle	G?	S?	N	N	<i>Orthotrichia instabilis</i>	Changeable orthotrichian microcaddisfly
G?	S?	C2	N	<i>Polylamina pubescens</i>	Wooly gulf dune scarab beetle	G?	S?	C2	N	<i>Oxyethira florida</i>	Denning's Florida oxyethiran microcaddisfly
G?	S?	N	N	<i>Pseudataenius waltherhorni</i>	Scarab beetle	G?	S?	N	N	<i>Oxyethira janella</i>	Little-entrance oxyethiran microcaddisfly
G?	S?	N	N	<i>Rutela formosa</i>	Scarab beetle	G?	S?	N	N	<i>Oxyethira novasota</i>	Novasota oxyethiran microcaddisfly
G?	S?	N	N	<i>Serica delicata</i>	Scarab beetle	G?	S?	N	N	<i>Triaenodes florida</i>	Floridian triaenode caddisfly
G?	S?	C2	N	<i>Serica frosti</i>	Frost's Spring serican scarab beetle	G?	S?	N	N	<i>Triaenodes furcella</i>	Little-fork triaenode caddisfly
G?	S?	N	N	<i>Serica pusilla</i>	Scarab beetle	GH	S?	C2	N	<i>Triaenodes tridonta</i>	Three-tooth triaenodes caddisfly
G?	S?	N	N	<i>Serica rhypha</i>	Scarab beetle						
G?	S?	C2	N	<i>Serica tantula</i>	Tantula serican scarab beetle						
G?	S?	C2	N	<i>Trigonopeltastes floridana</i>	Scrub palmetto flower scarab beetle						
G?	S?	C2	N	<i>Trox howelli</i>	Caracara commensal scarab beetle						

Caddisflies (Order Trichoptera) (22)

G?	S?	N	N	<i>Agarodes libalis</i>	Spring-loving psiloneuran caddisfly
G?	S?	C2	N	<i>Agarodes ziczac</i>	Zigzag Blackwater River caddisfly
GH	S?	C2	N	<i>Ceraclea floridana</i>	Banks' Florida ceraclea caddisfly
G?	S?	N	N	<i>Cernotina truncona</i>	Florida cernotinian caddisfly
G?	S?	N	N	<i>Cheumatopsyche petersi</i>	Peters' cheumatopsyche caddisfly
G?	S?	N	N	<i>Chimarra florida</i>	Floridian finger-net caddisfly
G?	S?	N	N	<i>Hydroptila berneri</i>	Berner's microcaddisfly
G2G3	S1	N	N	<i>Hydroptila molsonae</i>	Molson's microcaddisfly

Butterflies and Moths (Order Lepidoptera) (11)

G1	S?	C2	N	<i>Anaea floridalis</i>	Florida leafwing
G2?T?	S1?	N	N	<i>Chlorostymon maesites maesites</i>	Maesites hairstreak
G4T3Q	S3	C2	N	<i>Eumaeus atala florida</i>	Florida atala
G4T1	SU	N	N	<i>Eunica tatila tatilista</i>	Florida purplewing
G3T2	S2	3C	N	<i>Hemiargus thomasi bethunebakeri</i>	Miami blue butterfly
G4T3NA	SN	N	N	<i>Heracles andraemon bonhotei</i>	Bahama swallowtail
G4T1	S1	LE	LE	<i>Heracles artistodemus ponceanus</i>	Schaus' swallowtail
G3G4	S1	3C	N	<i>Mitoura hesseli</i>	Hessel's hairstreak
G?	S?	N	N	<i>Proserpinus gaurae</i>	Gaura sphinx

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Butterflies and Moths (Order Lepidoptera) cont.

GU	S?	C2	H	<i>Pyreferra ceromatica</i>	Ceromatic noctuid moth
G4T1T2	S1	C2	H	<i>Strymon acis bartrami</i>	Bartram's hairstreak

Flies (Order Diptera) (4)

G1G3	S?	C2	H	<i>Asaphomyia floridensis</i>	Florida asaphomyian tabanid fly
G1G3	S?	C2	H	<i>Merycomyia brunnea</i>	Brown merycomyian tabanid fly
G1G3	S?	C2	H	<i>Mixogaster delongi</i>	Delong's mixogaster flower fly
G?	S?	C2	N	<i>Nemopalpus nearcticus</i>	Sugarfoot fly

NUMBER OF ELEMENTS: 284

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Summary tables of FNAI global and FNAI state rank *

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For purposes of this table, specific and infraspecific taxa are considered together (i.e., tally is based on T-rank for infraspecific taxa, G-rank for specific taxa).

	tot#	G1- or T1-	G2- or T2-	G3- or T3-	G4- or T4-	G5- or T5-	GH or TH-	GU	G? or T?
PHYLUM Porifera									
Sponges (Class Demospongiae)	(2)	2	0	0	0	0	0	0	0
PHYLUM Cnidaria									
Corals (Class Anthozoa)	(15)	0	0	7	6	2	0	0	0
PHYLUM Mollusca									
Snails (Class Gastropoda)	(25)	15	2	1	0	0	0	0	7
Clams and Mussels (Class Bivalvia)	(32)	5	13	8	3	1	1	0	1
PHYLUM Arthropoda									
Class Arachnida									
Amblypygids (Order Amblypygi)	(1)	0	0	0	0	0	0	0	1
Spiders (Order Araneae)	(11)	0	0	0	0	0	0	0	11
Class Malacostraca									
Crabs, Crayfishes, Shrimps (Order Decapoda)	(21)	11	6	0	2	1	0	0	1
Isopods (Order Isopoda)	(4)	3	0	0	0	0	0	0	1
Amphipods (Order Amphipoda)	(3)	1	2	0	0	0	0	0	0
Class Insecta									
Mayflies (Order Ephemeroptera)	(2)	0	0	0	0	0	0	0	2
Dragonflies and Damselflies (Order Odonata)	(32)	2	2	13	10	5	0	0	0
Grasshoppers and Allies (Order Orthoptera)	(4)	1	0	0	0	0	2	0	1
Mallophaga (Order Mallophaga)	(34)	0	0	0	0	0	0	0	34
Beetles (Order Coleoptera)	(61)	5	0	2	0	0	2	0	52
Caddisflies (Order Trichoptera)	(22)	3	2	1	0	0	2	0	14
Butterflies and Moths (Order Lepidoptera)	(11)	4	2	3	0	0	0	1	1
Flies (Order Diptera)	(4)	3	0	0	0	0	0	0	1
	(284)	55	29	35	21	9	7	1	127

	tot#	S1-	S2-	S3-	S4-	S5-	SH	SN	SU	S?
PHYLUM Porifera										
Sponges (Class Demospongiae)	(2)	1	0	0	0	0	0	0	0	1
PHYLUM Cnidaria										
Corals (Class Anthozoa)	(15)	0	0	0	0	0	0	0	0	15
PHYLUM Mollusca										
Snails (Class Gastropoda)	(25)	17	3	1	0	0	0	0	1	3
Clams and Mussels (Class Bivalvia)	(32)	11	1	3	0	0	4	0	1	12
PHYLUM Arthropoda										
Class Arachnida										
Amblypygids (Order Amblypygi)	(1)	0	0	0	0	0	0	0	0	1
Spiders (Order Araneae)	(11)	0	0	0	0	0	0	0	0	11
Class Malacostraca										
Crabs, Crayfishes, Shrimps (Order Decapoda)	(21)	11	6	1	1	0	1	0	0	1
Isopods (Order Isopoda)	(4)	3	0	0	0	0	0	0	0	1
Amphipods (Order Amphipoda)	(3)	0	2	0	0	0	0	0	0	1
Class Insecta										
Mayflies (Order Ephemeroptera)	(2)	0	0	0	0	0	0	0	0	2
Dragonflies and Damselflies (Order Odonata)	(32)	11	3	7	5	0	1	0	1	4
Grasshoppers and Allies (Order Orthoptera)	(4)	1	0	0	0	0	2	0	0	1
Mallophaga (Order Mallophaga)	(34)	0	0	0	0	0	0	0	0	34
Beetles (Order Coleoptera)	(61)	1	0	0	0	0	1	0	0	59
Caddisflies (Order Trichoptera)	(22)	0	0	0	0	0	1	0	0	21
Butterflies and Moths (Order Lepidoptera)	(11)	4	1	1	0	0	0	1	1	3
Flies (Order Diptera)	(4)	0	0	0	0	0	0	0	0	4
	(284)	60	16	13	6	0	10	1	4	174

*Compound ranks (e.g., G1G2, S2S3) are categorized according to their higher rank (i.e., lower number). For the above purpose, Q and ? are ignored.

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Summary tables of FNAI federal and FNAI state status

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Federal

(U. S. Fish and Wildlife Service)

	tot#	LE	PE	LT	PT	C1	C2	3A	3B	3C	total# w/status	No status
PHYLUM Porifera												
Sponges (Class Demospongiae)	(2)	0	0	0	0	0	2	0	0	0	2	0
PHYLUM Cnidaria												
Corals (Class Anthozoa)	(15)	0	0	0	0	0	0	0	0	0	0	15
PHYLUM Mollusca												
Snails (Class Gastropoda)	(25)	0	0	1	0	0	13	0	0	0	14	11
Clams and Mussels (Class Bivalvia)	(32)	0	0	0	0	0	10	0	0	0	10	22
PHYLUM Arthropoda												
Class Arachnida												
Amblypygids (Order Amblypygi)	(1)	0	0	0	0	0	0	0	0	0	0	1
Spiders (Order Araneae)	(11)	0	0	0	0	0	3	0	0	1	4	7
Class Malacostraca												
Crabs, Crayfishes, Shrimps (Order Decapoda)	(21)	0	0	1	0	0	2	0	0	0	3	17
Isopods (Order Isopoda)	(4)	0	0	0	0	0	0	0	0	0	0	4
Amphipods (Order Amphipoda)	(3)	0	0	0	0	0	2	0	0	0	2	1
Class Insecta												
Mayflies (Order Ephemeroptera)	(2)	0	0	0	0	0	2	0	0	0	2	0
Dragonflies and Damselflies (Order Odonata)	(32)	0	0	0	0	0	4	0	0	0	4	28
Grasshoppers and Allies (Order Orthoptera)	(4)	0	0	0	0	0	4	0	0	0	4	0
Mallophaga (Order Mallophaga)	(34)	0	0	0	0	0	0	0	0	0	0	34
Beetles (Order Coleoptera)	(61)	1	0	0	0	0	22	0	0	0	23	38
Caddisflies (Order Trichoptera)	(22)	0	0	0	0	0	6	0	0	0	6	16
Butterflies and Moths (Order Lepidoptera)	(11)	1	0	0	0	0	4	0	0	2	7	4
Flies (Order Diptera)	(4)	0	0	0	0	0	4	0	0	0	4	0
	(284)	2	0	2	0	0	78	0	0	3	85	198

State

(Florida Game and Fresh Water Fish Commission)

	tot#	LE	LT	LS	total# w/status	No status
PHYLUM Porifera						
Sponges (Class Demospongiae)	(2)	0	0	0	0	2
PHYLUM Cnidaria						
Corals (Class Anthozoa)	(15)	1	0	0	1	14
PHYLUM Mollusca						
Snails (Class Gastropoda)	(25)	1	0	3	4	21
Clams and Mussels (Class Bivalvia)	(32)	0	0	0	0	32
PHYLUM Arthropoda						
Class Arachnida						
Amblypygids (Order Amblypygi)	(1)	0	0	0	0	1
Spiders (Order Araneae)	(11)	0	0	0	0	11
Class Malacostraca						
Crabs, Crayfishes, Shrimps (Order Decapoda)	(21)	0	0	3	3	18
Isopods (Order Isopoda)	(4)	0	0	0	0	4
Amphipods (Order Amphipoda)	(3)	0	0	0	0	3
Class Insecta						
Mayflies (Order Ephemeroptera)	(2)	0	0	0	0	2
Dragonflies and Damselflies (Order Odonata)	(32)	0	0	0	0	32
Grasshoppers and Allies (Order Orthoptera)	(4)	0	0	0	0	4
Mallophaga (Order Mallophaga)	(34)	0	0	0	0	34
Beetles (Order Coleoptera)	(61)	0	0	0	0	61
Caddisflies (Order Trichoptera)	(22)	0	0	0	0	22
Butterflies and Moths (Order Lepidoptera)	(11)	1	0	0	1	10
Flies (Order Diptera)	(4)	0	0	0	0	4
	(284)	3	0	6	9	275

Appendix V

FNAI Element Matrices for Flagler, St. Johns, and Volusia Counties

Guide to the County Matrix of Habitats and Distribution of Rare/Endangered Species in Florida

Florida Natural Areas Inventory

page 1

INTRODUCTION

Florida has more federally listed endangered and threatened species than any other state east of the Mississippi River. The Florida Natural Areas Inventory (FNAI) maintains a geographical and biological data base on known occurrences of rare species, including all (except whales) Federal- and most State-listed species. However, all potential habitat for these species cannot be surveyed due to limitations of time and money. To provide planners, land managers and government decision-makers with an efficient method to determine whether a decision may impact the potential habitat of an endangered or rare species, a species by county by habitat matrix was assembled from currently available information. The matrix allows users to determine quickly which rare/endangered species are likely to occur in a particular county, in which habitat(s) to expect those species, and at what time of year to search for them. For local use, the data were also assembled as matrices for each county. The matrices will be updated periodically to reflect current knowledge of distribution, status, and taxonomy. Users of the matrices are encouraged to submit suggested revisions to the FNAI.

We reviewed the following sources in assembling the matrix: the FNAI data base, *Rare and Endangered Biota of Florida*, volumes 1-5, species checklists, field surveys, journal articles, floras, herbarium records, field guides, and other literature (a reference list is available from FNAI). Habitat descriptions are referenced to *Guide to the Natural Communities of Florida* (Florida Natural Areas Inventory & Florida Department of Natural Resources 1990). Brief descriptions of all natural communities are available from FNAI. We primarily used *Checklist of Florida's Birds* (Stevenson n.d.) to determine the seasonal presence of birds.

MATRIX EXPLANATION

Natural community

The natural communities (NC) (= habitat) given for each species are those most frequently inhabited by or most likely to contain the species. Comments regarding habitat follow a specific NC if they apply only to that NC. If the annotation applies to all NCs given, it is incorporated into the Comments portion of the Habitat field. Because the NCs listed necessarily apply to the statewide distribution of each species, they may include more habitats than occupied at the local level. Because of their high mobility, some animals may enter communities other than those listed. For especially wide-ranging species (such as the Florida panther) which may occupy a multitude of natural community types, we identify habitat only broadly. More than one level is used for certain species; roosting and maternal habitats of bats are defined specifically (e.g., Terrestrial Cave), while their foraging habitat is defined more broadly (e.g., Terrestrial). Some amphibians reproduce in ephemeral bodies of water which are not recognized in the habitat categorization employed. For these species, the natural community types are annotated by the phrase, "reproduces in ephemeral wetlands within this community." Likewise, the term "ruderal" is used as a NC type for those species that sometime utilize man-made habitats (e.g., ditches, canals, canal banks, abandoned quarries, dredge spoil, trash piles, pine plantations, citrus groves, roof tops, bridges, buildings, pastures and old fields).

Seasonal Distribution

The seasonal presence or recognizability of a taxon is denoted in the matrix by a horizontal calendar. The first and second halves of each month are indicated by "A" (days 1-15) and "B" (days 16-31), respectively. For plants, seasonal distribution indicates the time of year when taxonomic identification can be determined from vegetative (V), flowering (F), or fruiting (Fr) parts. For animals, a "P" (present)

Guide to the County Matrix of Habitats and Distribution of Rare/Endangered Species in Florida

Florida Natural Areas Inventory

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indicates those months in which the species can be found in Florida or most easily located within its preferred habitat. Seasonal values shown in the matrix are from a statewide perspective; local variations may occur. Many amphibians are cryptic in their habits and can be found reliably only during the reproductive season; we have indicated this in the matrix calendar for these species. The seasonal variation in distribution of birds between north and south Florida required the use of two calendars for particular species. Those instances for which certain birds have been recorded beyond their normal seasonal period are indicated by a (+). Additional comments regarding seasonal presence of certain plants and animals are included in the matrix.

County Status

County distributions are presented as "R" (reported), "C" (confirmed), or "?" (questionable plant identification). A plant's presence in a county is confirmed if there is a documented record in the FNAI data base, an existing herbarium record, or specific mention by county name in a technical publication. Plant records derived from interpretations of general maps or from unpublished reports are considered reported only. Vertebrate records are considered confirmed only for cases in which the FNAI data base contains an occurrence record for that county; all other records are considered as reported only. In general, confirmed bird records are based on sites used for nesting, feeding, or roosting. The matrix includes comments regarding county distribution where appropriate. Data for rare species are addressed by FNAI on the basis of global rarity; the rarest species, therefore, will tend to have more confirmed records than the more abundant species.

Acknowledgements

Ann F. Johnson (plants) and John G. Palis (vertebrates) compiled the matrix data. Patricia Braley of the national office of The Nature Conservancy provided computer assistance. Katy NeSmith and Mary L. Lubinski of FNAI computerized the matrix worksheets and

produced the matrix format. David Addison, W. Wilson Baker, Joseph Bruner, Charles Chase, James A. Cox, Robert K. Godfrey, David Hall, Roger L. Hammer, E. Dennis Hardin, Alan Herndon, Stephen R. Humphrey, Michael LeLong, Charles McCartney, Paul E. Moler, Clifton Nauman, Katy NeSmith, Tom Patrick, Kent Perkins, John Popenoe, and Richard P. Wunderlin provided assistance in assembling the matrix data. The herbaria of Angus Gholson, Archbold Biological Station, Fairchild Tropical Garden, Florida Atlantic University, Florida State University, Marie Selby Botanical Gardens, University of Florida, University of South Florida, and University of West Florida were also employed. Vicki Garland typed a portion of the manuscript. Dale R. Jackson edited the manuscript text.

DISTRIBUTION OF RARE/ENDANGERED SPECIES IN FLAGLER COUNTY, FLORIDA (Florida Natural Areas Inventory, December 1989)

Page 1

List is organized by Special Plants, in alphabetical order, followed by Vertebrates listed alphabetically within class.

County Status: C = confirmed R = reported ? = specimen available but may be incorrectly identified Habitat: see FNAI community classification

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(seasonal distribution is based on statewide data, not data specific to this county)

SPECIAL PLANTS

ASCLEPIAS CURTISSII (CURTISS' MILKWEED) County Status: C
HABITAT: TERRESTRIAL: Scrub, Scrubby Flatwoods, Xeric Hammock
SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
F F F F F F F F F F

ASCLEPIAS VIRIDULA (SOUTHERN MILKWEED) C
HABITAT: TERRESTRIAL: Mesic Flatwoods PALUSTRINE: Wet Prairie, Seepage Slope
SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
F F F F F F F F F F

GLANDULARIA MARITIMA (COASTAL Vervain) C
HABITAT: TERRESTRIAL: Beach Dune, Coastal Strand COMMENTS: ruderal
SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
F F F F F F F F F F F F F F F F F F F F

HEDYOTIS NIGRICANS VAR PULVINATA (NARROW-LEAVED BLUEETS) C
HABITAT: TERRESTRIAL: Beach Dune COMMENTS: disturbed sites on coquina rock
SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
F F F F F F F F F F

HELIANTHUS CARNOSUS (LAKE-SIDE SUNFLOWER) C
HABITAT: PALUSTRINE: Seepage Slope, Wet Flatwoods
SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
F F F F F F F F F F

ILEX OPACA VAR ARENICOLA (SCRUB HOLLY) C
HABITAT: TERRESTRIAL: Scrub
SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
V V V V V V V V V V V V V V V V V V V V

LANTANA DEPRESSA (FLORIDA LANTANA) R
HABITAT: TERRESTRIAL: Coastal Strand, Pine Rockland, Beach Dune PALUSTRINE: Marl Prairie
SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
F F F F F F F F F F
COMMENTS: often hybridizes with the exotic, L. camara

DISTRIBUTION OF RARE/ENDANGERED SPECIES IN FLAGLER COUNTY, FLORIDA (Florida Natural Areas Inventory, December 1989)

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SPECIAL PLANTS (cont.)

LILIUM CATESBAEI (SOUTHERN RED LILY)

C

HABITAT: TERRESTRIAL: Mesic Flatwoods PALUSTRINE: Wet Prairie, Wet Flatwoods, Seepage Slope COMMENTS: usually with grasses

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
F F F F F F F F

NEMASTYLIS FLORIDANA (FALL-FLOWERING IXIA)

C

HABITAT: TERRESTRIAL: Mesic Flatwoods PALUSTRINE: Dome Swamp, Wet Flatwoods, Seepage Slope, Wet Prairie COMMENTS: clearings

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
F F F F F F F F

PAVONIA SPINIFEX (YELLOW HIBISCUS)

C

HABITAT: TERRESTRIAL: Upland Hardwood Forest, Shell Mound PALUSTRINE: Hydric Hammock COMMENTS: on limestone

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
F F F F F F F F

PERSEA HUMILIS (SCRUB BAY)

C

HABITAT: TERRESTRIAL: Scrub, Sandhill

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
V V V V V V V V V V V V V V V V V V V V

PHYSOSTEGIA LEPTOPHYLLA (SLENDER-LEAVED DRAGON-HEAD)

C

HABITAT: PALUSTRINE: Floodplain Swamp, Depression Marsh, Basin Marsh, Dome Swamp, Floodplain Forest RIVERINE: Blackwater Stream -muddy banks or in water MARINE: Marine Tidal Marsh ESTUARINE: Estuarine Tidal Marsh

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
F F F F F F F F

PTEROGLOSSASPIS ECRISTATA (A WILD COCO)

C

HABITAT: TERRESTRIAL: Pine Rockland, Upland Hardwood Forest, Scrubby Flatwoods, Mesic Flatwoods COMMENTS: terrestrial; on moist sand

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
F F F F F F F F

PHYCNANTHEMUM FLORIDANUM (FLORIDA MOUNTAIN-MINT)

C

HABITAT: TERRESTRIAL: Sandhill -moist areas, Upland Mixed Forest PALUSTRINE: Wet Flatwoods, Floodplain Forest COMMENTS: roadside ditches

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
F F F F F F F F

County Status: C = confirmed R = reported ? = specimen available but may be incorrectly identified Habitat: see FNAI community classification

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SPECIAL PLANTS (cont.)

ZEPHYRANTHES SIMPSONII

(RAIN LILY)

C

HABITAT: PALUSTRINE: Dome Swamp, Wet Flatwoods **COMMENTS:** ditches, wet pastures; often in burned over areas

[illegible]

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Seasonal Distribution: Plants: F = flowering Fr = fruiting V = vegetative Animals: P = present (see text) (+) = records outside expected period (birds only)
(seasonal distribution is based on statewide data, not data specific to this county)AMPHIBIANSNOTOPHTHALMUS PERSTRIATUS (STRIPED NEWT) RHABITAT: TERRESTRIAL: Mesic Flatwoods, Sandhill, Scrub, Scrubby Flatwoods (ephemeral wetlands within these communities) LACUSTRINE: Sinkhole Lake, Sandhill Upland Lake, Flatwoods/Prairie Lake, Marsh LakeSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P PRANA AREOLATA (GOPHER FROG) RHABITAT: TERRESTRIAL: Sandhill, Scrub, Scrubby Flatwoods, Xeric Hammock (reproduces in ephemeral wetlands within these communities) LACUSTRINE: Ruderal, Sandhill Upland Lake

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB

AD. (calling): P

TADPOLES: P

REPTILESALLIGATOR MISSISSIPPIENSIS (AMERICAN ALLIGATOR) CHABITAT: PALUSTRINE: Various Palustrine Habitats LACUSTRINE: Various Lacustrine Habitats RIVERINE: Various Riverine Habitats ESTUARINE: Various Estuarine HabitatsSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P PCARETTA CARETTA (LOGGERHEAD) CHABITAT: TERRESTRIAL: Beach Dune -nesting, Coastal Grassland -nesting MARINE: Various Marine Habitats ESTUARINE: Various Estuarine HabitatsSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P P P P P P P P P P P P P P P P P

COMMENTS: "C" in county distribution represents nesting records; "R" represents non-nesting records

CHELONIA MYDAS (GREEN TURTLE) RHABITAT: TERRESTRIAL: Beach Dune -nesting, Coastal Grassland -nesting MARINE: Various Marine Habitats ESTUARINE: Various Estuarine HabitatsSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P P P P P P P P P P P P P P P P P

COMMENTS: "C" in county distribution represents nesting records; "R" represents non-nesting records

CLEMMYS GUTTATA (SPOTTED TURTLE) RHABITAT: TERRESTRIAL: Mesic Flatwoods PALUSTRINE: Dome Swamp, Basin Swamp, Wet Flatwoods, Hydric Hammock, Depression Marsh, Basin Marsh, Floodplain Swamp LACUSTRINE: Riverine
Floodplain Lake, Swamp Lake, Flatwoods/Prairie Lake, Marsh Lake RIVERINE: Blackwater Stream ESTUARINE: Estuarine Tidal MarshSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P P P P P P P P P P P P P P P P P

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REPTILES (cont.)

DERMOCHELYS CORIACEA (LEATHERBACK TURTLE) R
 HABITAT: TERRESTRIAL: Beach Dune -nesting , Coastal Grassland -nesting MARINE: Various Marine Habitats ESTUARINE: Various Estuarine Habitats
 SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
 P
 COMMENTS: "C" in county distribution represents nesting records; "R" represents non-nesting records

DRYMARCHON CORAIS COUPERI (EASTERN INDIGO SNAKE) C
 HABITAT: TERRESTRIAL: Mesic Flatwoods, Upland Pine Forest, Sandhill, Scrub, Scrubby Flatwoods, Rockland Hammock , Ruderal PALUSTRINE: Hydric Hammock , Wet Flatwoods
ESTUARINE: Estuarine Tidal Swamp
 SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
 P

GOPHERUS POLYPHEMUS (GOPHER TORTOISE) C
 HABITAT: TERRESTRIAL: Sandhill, Scrub, Scrubby Flatwoods, Xeric Hammock, Coastal Strand , Ruderal
 SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
 P

LEPIDOCHELYS KEMPII (ATLANTIC RIDLEY) R
 HABITAT: MARINE: Various Marine Habitats ESTUARINE: Various Estuarine Habitats
 SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
 P
 COMMENTS: all records, at present, represent non-nesting occurrences

BIRDS

ACCIPITER COOPERII (COOPER'S HAWK) R
 HABITAT: TERRESTRIAL: Various Terrestrial Habitats PALUSTRINE: Various Palustrine Habitats
 SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
 P

AIMOPHILA AESTIVALIS (BACHMAN'S SPARROW) R
 HABITAT: TERRESTRIAL: Various Terrestrial Habitats , Ruderal
 SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
 P

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BIRDS (cont.)

APHELOCOMA COERULESCENS COERULESCENS (FLORIDA SCRUB JAY)

C

HABITAT: TERRESTRIAL: Scrub, Scrubby FlatwoodsSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P PARAMUS GUARAUNA (LIMPKIN)

R

HABITAT: PALUSTRINE: Various Palustrine Habitats LACUSTRINE: Various Lacustrine Habitats RIVERINE: Various Riverine HabitatsSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P PBUTEO BRACHYURUS (SHORT-TAILED HAWK)

R

HABITAT: TERRESTRIAL: Various Terrestrial Habitats PALUSTRINE: Various Palustrine Habitats ESTUARINE: Various Estuarine HabitatsSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P PCASMERODIUS ALBUS (GREAT EGRET)

R

HABITAT: TERRESTRIAL: Various Terrestrial Habitats PALUSTRINE: Various Palustrine Habitats LACUSTRINE: Various Lacustrine Habitats RIVERINE: Various Riverine Habitats
ESTUARINE: Various Estuarine HabitatsSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P PCHARADRIUS MELODUS (PIPING PLOVER)

R

HABITAT: TERRESTRIAL: Beach Dune MARINE: Exposed Marine Unconsolidated Substrate ESTUARINE: Exposed Estuarine Unconsolidated SubstrateSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
NORTH: P P P P P P P P P P (+) (+) P P P P P P P P P P P P P P
SOUTH: PEGRETTA CAERULEA (LITTLE BLUE HERON)

R

HABITAT: PALUSTRINE: Various Palustrine Habitats LACUSTRINE: Various Lacustrine Habitats RIVERINE: Various Riverine Habitats ESTUARINE: Various Estuarine HabitatsSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P PEGRETTA THULA (SNOWY EGRET)

R

HABITAT: PALUSTRINE: Various Palustrine Habitats, Ruderal LACUSTRINE: Various Lacustrine Habitats, Ruderal RIVERINE: Various Riverine Habitats ESTUARINE: Various Estuarine HabitatsSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P

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BIRDS (cont.)EGRETTA TRICOLOR (TRICOLORED HERON) R

HABITAT: PALUSTRINE: Various Palustrine Habitats LACUSTRINE: Various Lacustrine Habitats RIVERINE: Various Riverine Habitats ESTUARINE: Various Estuarine Habitats

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P

EUDOCIMUS ALBUS (WHITE IBIS) R

HABITAT: PALUSTRINE: Various Palustrine Habitats LACUSTRINE: Various Lacustrine Habitats ESTUARINE: Various Estuarine Habitats

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P

FALCO COLUMBARIUS (MERLIN) R

HABITAT: TERRESTRIAL: Various Terrestrial Habitats PALUSTRINE: Various Palustrine Habitats ESTUARINE: Various Estuarine Habitats

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P P P P P P P P P JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P

COMMENTS: most often seen during migration

FALCO PEREGRINUS (PEREGRINE FALCON) R

HABITAT: TERRESTRIAL: Various Terrestrial Habitats, Ruderal PALUSTRINE: Various Palustrine Habitats LACUSTRINE: Various Lacustrine Habitats ESTUARINE: Various Estuarine Habitats

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
NORTH: P P P P P P P P P P (+) (+) P P P P P P P P P P
SOUTH: P

COMMENTS: most often seen during migration; uncommon in winter

FALCO SPARVERIUS PAULUS (SOUTHEASTERN AMERICAN KESTREL) R

HABITAT: TERRESTRIAL: Various Terrestrial Habitats, Ruderal PALUSTRINE: Various Palustrine Habitats ESTUARINE: Various Estuarine Habitats

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P

COMMENTS: best identified between May and August (breeding season)

GRUS CANADENSIS PRATENSIS (FLORIDA SANDHILL CRANE) R

HABITAT: TERRESTRIAL: Dry Prairie, Ruderal PALUSTRINE: Swale, Basin Marsh, Depression Marsh, Bog, Marl Prairie, Wet Prairie LACUSTRINE: Flatwoods/Prairie Lake, Marsh Lake

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P

HAEMATOPUS PALLIATUS (AMERICAN OYSTERCATCHER) R

HABITAT: TERRESTRIAL: Beach Dune, Ruderal MARINE: Exposed Marine Unconsolidated Substrate, Exposed Marine Mollusk Reef ESTUARINE: Exposed Estuarine Unconsolidated Substrate, Exposed Estuarine Mollusk Reef

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P

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BIRDS (cont.)

IXOBRYCHUS EXILIS (LEAST BITTERN)

R

HABITAT: PALUSTRINE: Basin Marsh, Depression Marsh, Swale, Floodplain Marsh LACUSTRINE: Marsh Lake MARINE: Marine Tidal Marsh ESTUARINE: Marine Tidal Marsh

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
NORTH: (+) P (+)
SOUTH: P

LATERALLUS JAMAICENSIS (BLACK RAIL)

R

HABITAT: PALUSTRINE: Basin Marsh, Depression Marsh, Swale, Floodplain Marsh LACUSTRINE: Marsh Lake MARINE: Marine Tidal Marsh ESTUARINE: Estuarine Tidal Marsh

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P

COMMENTS: range not well known

MYCTERIA AMERICANA (WOOD STORK)

R

HABITAT: PALUSTRINE: Various Palustrine Habitats LACUSTRINE: Various Lacustrine Habitats ESTUARINE: Various Estuarine Habitats

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
NORTH: (+) (+) P
SOUTH: P

NYCTANASSA VIOLACEA (YELLOW-CROWNED NIGHT-HERON)

R

HABITAT: PALUSTRINE: Various Palustrine Habitats RIVERINE: Various Riverine Habitats ESTUARINE: Various Estuarine Habitats

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
NORTH: (+) P
SOUTH: P

NYCTICORAX NYCTICORAX (BLACK-CROWNED NIGHT-HERON)

R

HABITAT: PALUSTRINE: Various Palustrine Habitats LACUSTRINE: Various Lacustrine Habitats RIVERINE: Various Riverine Habitats ESTUARINE: Various Estuarine Habitats

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P

PANDION HALIAETUS (OSPREY)

R

HABITAT: TERRESTRIAL: Various Terrestrial Habitats, Ruderal PALUSTRINE: Various Palustrine Habitats LACUSTRINE: Various Lacustrine Habitats RIVERINE: Various Riverine Habitats
MARINE: Near Shore ESTUARINE: Various Estuarine Habitats

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P

PELECANUS OCCIDENTALIS (BROWN PELICAN)

R

HABITAT: MARINE: Various Marine Habitats ESTUARINE: Various Estuarine Habitats

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P

DISTRIBUTION OF RARE/ENDANGERED SPECIES IN FLAGLER COUNTY, FLORIDA (Florida Natural Areas Inventory, December 1989)

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BIRDS (cont.)

PICOIDES VILLOSUM (HAIRY WOODPECKER) R
HABITAT: TERRESTRIAL: Various Terrestrial Habitats PALUSTRINE: Various Palustrine Habitats
SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P

PLEGADIS FALCINELLUS (GLOSSY IBIS) R
HABITAT: PALUSTRINE: Various Palustrine Habitats LACUSTRINE: Various Lacustrine Habitats ESTUARINE: Various Estuarine Habitats
SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P

RYNCHOPS NIGER (BLACK SKIMMER) R
HABITAT: TERRESTRIAL: Beach Dune, Ruderal MARINE: Various Marine Habitats ESTUARINE: Various Estuarine Habitats
SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P

STERNA ANTILLARUM (LEAST TERN) R
HABITAT: TERRESTRIAL: Beach Dune, Ruderal LACUSTRINE: Various Lacustrine Habitats RIVERINE: Various Riverine Habitats ESTUARINE: Various Estuarine Habitats
SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
NORTH: (+) P
SOUTH: (+) P

STERNA CASPIA (CASPIAN TERN) R
HABITAT: TERRESTRIAL: Beach Dune, Ruderal LACUSTRINE: Various Lacustrine Habitats RIVERINE: Various Riverine Habitats ESTUARINE: Various Estuarine Habitats
SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P

STERNA MAXIMA (ROYAL TERN) R
HABITAT: TERRESTRIAL: Beach Dune, Ruderal LACUSTRINE: Various Lacustrine Habitats MARINE: Various Marine Habitats ESTUARINE: Various Estuarine Habitats
SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P

STERNA SANDVICENSIS (SANDWICH TERN) R
HABITAT: TERRESTRIAL: Beach Dune, Ruderal MARINE: Various Marine Habitats ESTUARINE: Various Estuarine Habitats
SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
NORTH: (+) (+) P
SOUTH: P

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(seasonal distribution is based on statewide data, not data specific to this county)MAMMALSMUSTELA FRENATA OLIVACEA (SOUTHEASTERN WEASEL) RHABITAT: TERRESTRIAL: Various Terrestrial Habitats, Ruderal PALUSTRINE: Various Palustrine HabitatsSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P PNEOFIBER ALLENI (ROUND-TAILED MUSKRAT) RHABITAT: PALUSTRINE: Floodplain Marsh, Swale, Depression Marsh, Basin Marsh LACUSTRINE: Marsh Lake, Flatwoods/Prairie Lake ESTUARINE: Estuarine Tidal MarshSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P PPEROMYSCUS POLIOTUS DECOLORATUS (PALLID BEACH MOUSE) RHABITAT: TERRESTRIAL: Coastal Strand, Beach DuneSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P PPLECOTUS RAFINESQUII (SOUTHEASTERN BIG-EARED BAT) RHABITAT: TERRESTRIAL: Various Terrestrial Habitats, Ruderal PALUSTRINE: Various Palustrine HabitatsSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P PPODOMYS FLORIDANUS (FLORIDA MOUSE) RHABITAT: TERRESTRIAL: Scrub, Sandhill, Scrubby FlatwoodsSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P PSCIURUS NIGER SHERMANI (SHERMAN'S FOX SQUIRREL) RHABITAT: TERRESTRIAL: Sandhill, Mesic Flatwoods, Scrubby Flatwoods PALUSTRINE: Dome Swamp, BaygallSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P PSOREX LONGIROSTRIS LONGIROSTRIS (SOUTHEASTERN SHREW) RHABITAT: PALUSTRINE: Floodplain Forest, Floodplain SwampSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P PTRICHECHUS MANATUS (WEST INDIAN MANATEE) CHABITAT: RIVERINE: Alluvial Stream, Blackwater Stream, Spring-Run stream MARINE: Various Marine Habitats ESTUARINE: Various Estuarine HabitatsSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P

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URSUS AMERICANUS FLORIDANUS

(FLORIDA BLACK BEAR)

C

HABITAT: TERRESTRIAL: Various Terrestrial Habitats PALUSTRINE: Various Palustrine Habitats

[illegible]

DISTRIBUTION OF RARE/ENDANGERED SPECIES IN ST. JOHNS COUNTY, FLORIDA (Florida Natural Areas Inventory, December 1989)

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(SOUTHERN MAIDENHAIR FERN)

County Status: C

HABITAT: TERRESTRIAL: Bluffs, Sinkhole walls RIVERINE: Seepage Stream bank COMMENTS: on limestone or soil over limestoneSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
V VADIANTUM TENERUM

(BRITTLE MAIDENHAIR FERN)

R

HABITAT: TERRESTRIAL: Sinkhole, Rockland Hammock, Upland Hardwood Forest RIVERINE: Spring-Run Stream -on banks COMMENTS: on limestone or soil over limestoneSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
V VASCLEPIAS VIRIDULA

(SOUTHERN MILKWEED)

C

HABITAT: TERRESTRIAL: Mesic Flatwoods PALUSTRINE: Wet Prairie, Seepage SlopeSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
F F F F F F F FCALAMOVILFA CURTISSII

(CURTISS' SANDGRASS)

R

HABITAT: TERRESTRIAL: Mesic Flatwoods PALUSTRINE: Wet Prairie, Wet Flatwoods, Depression MarshSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
F F F F F F F FCOMMENTS: flowers after fireCHAMAESYCE CUMULICOLA

(SAND-DUNE SPURGE)

C

HABITAT: TERRESTRIAL: Scrub, Beach Dune, Maritime Hammock, Coastal Strand COMMENTS: in openingsSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
F F F F F F F F F F F F F F F F F FCTENIUM FLORIDANUM

(FLORIDA TOOTHACHE GRASS)

C

HABITAT: TERRESTRIAL: Scrubby Flatwoods, Mesic Flatwoods PALUSTRINE: Depression Marsh, Wet FlatwoodsSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
F Fr F Fr F Fr F Fr F Fr F Fr F Fr F Fr F Fr F FrHEDYOTIS NIGRICANS VAR. PULVINATA

(NARROW-LEAVED BLUETS)

C

HABITAT: TERRESTRIAL: Beach Dune COMMENTS: disturbed sites on coquina rockSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
F F F F

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SPECIAL PLANTS (cont.)HELIANTHUS CARNOSUS (LAKE-SIDE SUNFLOWER)

C

HABITAT: PALUSTRINE: Seepage Slope, Wet Flatwoods

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
F F F F F F

LILIUM CATESBAEI (SOUTHERN RED LILY)

C

HABITAT: TERRESTRIAL: Mesic Flatwoods PALUSTRINE: Wet Prairie, Wet Flatwoods, Seepage Slope COMMENTS: usually with grasses

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
F F F F F F

MONOTROPIS REYNOLDSIAE (PIGMY-PIPES)

C

HABITAT: TERRESTRIAL: Upland Hardwood Forest COMMENTS: often under dogwood (Cornus florida)

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
F F F F

NOLINA ATOPOCARPA (FLORIDA BEAR-GRASS)

C

HABITAT: TERRESTRIAL: Mesic Flatwoods COMMENTS: grassy areas

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
F F F Fr F Fr F Fr F Fr

OPHIOGLOSSUM PALMATUM (HAND FERN)

R

HABITAT: PALUSTRINE: Hydric Hammock COMMENTS: epiphytic on cabbage palms (Sabal palmetto)

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
F F F F F F F F F F F F F F F F F F

PTEROGLOSSASPIS ECRISTATA (A WILD COCO)

C

HABITAT: TERRESTRIAL: Pine Rockland, Upland Hardwood Forest, Scrubby Flatwoods, Mesic Flatwoods COMMENTS: terrestrial; on moist sand

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
F F F F F F F F F F F F

PYCNANTHEMUM FLORIDANUM (FLORIDA MOUNTAIN-MINT)

C

HABITAT: TERRESTRIAL: Sandhill -moist areas, Upland Mixed Forest PALUSTRINE: Wet Flatwoods, Floodplain Forest COMMENTS: roadside ditches

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
F F F F F F F F F F F F F F F

RHYNCHOSIA CINEREA (BROWN-HAIRED SNOOTBEAN)

C

HABITAT: TERRESTRIAL: Pine Rocklands, Beach Dune, Scrub, Sandhill, Mesic Flatwoods COMMENTS: roadsides, fields

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
F F F F F F F F F F F F F F F F F F

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SPECIAL PLANTS (cont.)

RUDBECKIA HIRTIDA (ST. JOHN'S-SUSAN)

C

HABITAT: PALUSTRINE: Wet Flatwoods, Wet Prairie COMMENTS: roadside ditches

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
F F F F F F F F

SALPINGOSTYLIS COELESTINA (BARTRAM'S IXIA)

C

HABITAT: PALUSTRINE: Wet Flatwoods, Wet Prairie

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
F F F F

SPIRANTHES POLYANTHA (GREEN LADIES-TRESSES)

R

HABITAT: TERRESTRIAL: Rockland Hammock, Upland Mixed Forest COMMENTS: on soil over limestone

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
F F F F

VERBESINA HETEROPHYLLA (VARIABLE-LEAF CROWNBARD)

C

HABITAT: TERRESTRIAL: Sandhill, Mesic Flatwoods

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
F F F F F F F F

COMMENTS: flowers after fire

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FISHES

ACIPENSER BREVIROSTRUM (SHORTNOSE STURGEON)

R

HABITAT: RIVERINE: Blackwater Stream MARINE: Various Marine Habitats ESTUARINE: Various Estuarine Habitats

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P P P P P P P P P P P P P P P P P P P

ACIPENSER OXYRHYNCHUS (ATLANTIC STURGEON)

C

HABITAT: RIVERINE: Alluvial Stream, Blackwater Stream MARINE: Various Marine Habitats ESTUARINE: Various Estuarine Habitats

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P P P P P P P P P P P P P P P P P P P

AGONOSTOMUS MONTICOLA (MOUNTAIN MULLET)

R

HABITAT: RIVERINE: Alluvial Stream, Blackwater Stream, Ruderal (artificial stream) MARINE: Various Marine Habitats ESTUARINE: Various Estuarine Habitats

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P P P P P P P P P P P P P P P P P P P

AWAOUS TAJASICA (RIVER GOBY)

R

HABITAT: RIVERINE: Blackwater Stream MARINE: Various Marine Habitats ESTUARINE: Various Estuarine Habitats

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P P P P P P P P P P P P P P P P P P P

ICTALURUS BRUNNEUS (SNAIL BULLHEAD)

R

HABITAT: RIVERINE: Alluvial Stream, Blackwater Stream

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P P P P P P P P P P P P P P P P P P P

NOTROPIS CUMMINGSAE (DUSKY SHINER)

R

HABITAT: RIVERINE: Alluvial Stream, Blackwater Stream

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P P P P P P P P P P P P P P P P P P P

OOSTETHUS BRACHYURUS (OPPOSUM PIPEFISH)

R

HABITAT: RIVERINE: Blackwater Stream ESTUARINE: Various Estuarine Habitats

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P P P P P P P P P P P P P P P P P P P

PETROMYZON MARINUS (SEA LAMPREY)

R

HABITAT: RIVERINE: Blackwater Stream MARINE: Various Marine Habitats ESTUARINE: Various Estuarine Habitats

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P P P P P P P P P P P P P P P P P P P

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AMPHIBIANSNOTOPHTHALMUS PERSTRIATUS (STRIPED NEWT)

R

HABITAT: TERRESTRIAL: Mesic Flatwoods, Sandhill, Scrub, Scrubby Flatwoods (ephemeral wetlands within these communities) LACUSTRINE: Sinkhole Lake, Sandhill Upland Lake, Flatwoods/Prairie Lake, Marsh Lake

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P

RANA AREOLATA (GOPHER FROG)

R

HABITAT: TERRESTRIAL: Sandhill, Scrub, Scrubby Flatwoods, Xeric Hammock (reproduces in ephemeral wetlands within these communities) LACUSTRINE: Ruderal, Sandhill Upland Lake

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
AD. (calling): P
TADPOLES: P

REPTILESALLIGATOR MISSISSIPPIENSIS (AMERICAN ALLIGATOR)

C

HABITAT: PALUSTRINE: Various Palustrine Habitats LACUSTRINE: Various Lacustrine Habitats RIVERINE: Various Riverine Habitats ESTUARINE: Various Estuarine Habitats

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P

CARETTA CARETTA (LOGGERHEAD)

C

HABITAT: TERRESTRIAL: Beach Dune -nesting, Coastal Grassland -nesting MARINE: Various Marine Habitats ESTUARINE: Various Estuarine Habitats

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P

COMMENTS: "C" in county distribution represents nesting records; "R" represents non-nesting records

CHELONIA MYDAS (GREEN TURTLE)

R

HABITAT: TERRESTRIAL: Beach Dune -nesting, Coastal Grassland -nesting MARINE: Various Marine Habitats ESTUARINE: Various Estuarine Habitats

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P

COMMENTS: "C" in county distribution represents nesting records; "R" represents non-nesting records

CLEMmys GUTTATA (SPOTTED TURTLE)

C

HABITAT: TERRESTRIAL: Mesic Flatwoods PALUSTRINE: Dome Swamp, Basin Swamp, Wet Flatwoods, Hydric Hammock, Depression Marsh, Basin Marsh, Floodplain Swamp

LACUSTRINE: River Floodplain Lake, Swamp Lake, Flatwoods/Prairie Lake, Marsh Lake RIVERINE: Blackwater Stream ESTUARINE: Estuarine Tidal Marsh

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P

County Status: C = confirmed R = reported ? = specimen available but may be incorrectly identified Habitat: see FNAI community classification

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BIRDS (cont.)

AJAJA AJAJA (ROSEATE SPOONBILL)

R

HABITAT: **PALUSTRINE:** Various Palustrine Habitats **LACUSTRINE:** Various Lacustrine Habitats **ESTUARINE:** Various Estuarine Habitats

[illegible]

ARAMUS GUARAUNA (LIMPKIN)

R

HABITAT: PALUSTRINE: Various Palustrine Habitats LACUSTRINE: Various Lacustrine Habitats RIVERINE: Various Riverine Habitats

[illegible]

CASMERODIUS ALBUS (GREAT EGRET)

C

HABITAT: TERRESTRIAL: Various Terrestrial Habitats PALUSTRINE: Various Palustrine Habitats LACUSTRINE: Various Lacustrine Habitats RIVERINE: Various Riverine Habitats
ESTUARINE: Various Estuarine Habitats

[illegible]

CHARADRIUS MELODUS (PIPING PLOVER)

C

HABITAT: TERRESTRIAL: Beach Dune MARINE: Exposed Marine Unconsolidated Substrate ESTUARINE: Exposed Estuarine Unconsolidated Substrate

[illegible]

EGRETta CAERULEA (LITTLE BLUE HERON)

C

HABITAT: PALUSTRINE: Various Palustrine Habitats LACUSTRINE: Various Lacustrine Habitats RIVERINE: Various Riverine Habitats ESTUARINE: Various Estuarine Habitats

[illegible]

EGRET THULA (SNOWY EGRET)

R

HABITAT: PALUSTRINE: Various Palustrine Habitats , Ruderal LACUSTRINE: Various Lacustrine Habitats , Ruderal RIVERINE: Various Riverine Habitats ESTUARINE: Various Estuarine Habitats

[illegible]

EGRETta TRICOLOR (TRICOLORED HERON)

C

HABITAT: PALUSTRINE: Various Palustrine Habitats LACUSTRINE: Various Lacustrine Habitats RIVERINE: Various Riverine Habitats ESTUARINE: Various Estuarine Habitats

[illegible]

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ELANUS CAERULEUS **(BLACK-SHOULDERED KITE)**

R

SEASONAL DIST.:	JanA	JanB	FebA	FebB	MarA	MarB	AprA	AprB	MayA	MayB	JunA	JunB	JulA	JulB	AugA	AugB	SepA	SepB	OctA	OctB	NovA	NovB	DecA	DecB
NORTH:	P	P	P	P	P	P	P	P	(+)											(+)	P	P	P	P
SOUTH:	P	P	P	P	P	P	P	P	P	P							P	P	P	P	P	P	P	P

EUDOCIMUS ALBUS (WHITE IBIS)

C

[illegible]

FALCO COLUMBARIUS (MERLIN)

R

SEASONAL DIST.:	JanA	JanB	FebA	FebB	MarA	MarB	AprA	AprB	MayA	MayB	JunA	JunB	JulA	JulB	AugA	AugB	SepA	SepB	OctA	OctB	NovA	NovB	DecA	DecB
P	P	P	P	P	P	P	P	P	P	P							P	P	P	P	P	P	P	P

COMMENTS: most often seen during migration

FALCO PEREGRINUS (PEREGRINE FALCON)

R

SEASONAL	DIST.:	JanA	JanB	FebA	FebB	MarA	MarB	AprA	AprB	MayA	MayB	JunA	JunB	JulA	JulB	AugA	AugB	SepA	SepB	OctA	OctB	NovA	NovB	DecA	DecB
	NORTH:	P	P	P	P	P	P	P	P	P	P	(+)					(+)	P	P	P	P	P	P	P	P
	SOUTH:	P	P	P	P	P	P	P	P	P	P							P	P	P	P	P	P	P	P

COMMENTS: most often seen during migration; uncommon in winter

FALCO SPARVERIUS PAULUS (SOUTHEASTERN AMERICAN KESTREL)

R

[illegible]

COMMENTS: best identified between May and August (breeding season)

HAEMATOPUS PALLIATUS (AMERICAN OYSTERCATCHER)

R

[illegible]

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BIRDS (cont.)

HALIAEETUS LEUCOCEPHALUS (BALD EAGLE)

C

HABITAT: PALUSTRINE: Various Palustrine Habitats LACUSTRINE: Various Lacustrine Habitats RIVERINE: Various Riverine Habitats ESTUARINE: Various Estuarine HabitatsSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P PIXOBRYCHUS EXILIS (LEAST BITTERN)

R

HABITAT: PALUSTRINE: Basin Marsh, Depression Marsh, Swale, Floodplain Marsh LACUSTRINE: Marsh Lake MARINE: Marine Tidal Marsh ESTUARINE: Marine Tidal MarshSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
NORTH: (+) P
SOUTH: PLATERALLUS JAMAICENSIS (BLACK RAIL)

R

HABITAT: PALUSTRINE: Basin Marsh, Depression Marsh, Swale, Floodplain Marsh LACUSTRINE: Marsh Lake MARINE: Marine Tidal Marsh ESTUARINE: Estuarine Tidal MarshSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P

COMMENTS: range not well known

NYCTERIA AMERICANA (WOOD STORK)

C

HABITAT: PALUSTRINE: Various Palustrine Habitats LACUSTRINE: Various Lacustrine Habitats ESTUARINE: Various Estuarine HabitatsSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
NORTH: (+) (+) P
SOUTH: PNYCTANASSA VIOLACEA (YELLOW-CROWNED NIGHT-HERON)

R

HABITAT: PALUSTRINE: Various Palustrine Habitats RIVERINE: Various Riverine Habitats ESTUARINE: Various Estuarine HabitatsSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
NORTH: (+) P
SOUTH: PNYCTICORAX NYCTICORAX (BLACK-CROWNED NIGHT-HERON)

R

HABITAT: PALUSTRINE: Various Palustrine Habitats LACUSTRINE: Various Lacustrine Habitats RIVERINE: Various Riverine Habitats ESTUARINE: Various Estuarine HabitatsSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P PPANDION HALIAEETUS (OSPREY)

R

HABITAT: TERRESTRIAL: Various Terrestrial Habitats, Ruderal PALUSTRINE: Various Palustrine Habitats LACUSTRINE: Various Lacustrine Habitats RIVERINE: Various Riverine Habitats MARINE: Near Shore ESTUARINE: Various Estuarine HabitatsSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P

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BIRDS (cont.)

PELECANUS OCCIDENTALIS (BROWN PELICAN)

R

HABITAT: MARINE: Various Marine Habitats ESTUARINE: Various Estuarine Habitats

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P

PICOIDES BOREALIS (RED-COCKADED WOODPECKER)

R

HABITAT: TERRESTRIAL: Sandhill, Scrubby Flatwoods, Mesic Flatwoods

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P

PICOIDES VILLOSUM (HAIRY WOODPECKER)

R

HABITAT: TERRESTRIAL: Various Terrestrial Habitats PALUSTRINE: Various Palustrine Habitats

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P

PLEGADIS FALCINELLUS (GLOSSY IBIS)

R

HABITAT: PALUSTRINE: Various Palustrine Habitats LACUSTRINE: Various Lacustrine Habitats ESTUARINE: Various Estuarine Habitats

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P

RYNCHOPS NIGER (BLACK SKIMMER)

R

HABITAT: TERRESTRIAL: Beach Dune, Ruderal MARINE: Various Marine Habitats ESTUARINE: Various Estuarine Habitats

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P

STERNA ANTILLARUM (LEAST TERN)

C

HABITAT: TERRESTRIAL: Beach Dune, Ruderal LACUSTRINE: Various Lacustrine Habitats RIVERINE: Various Riverine Habitats ESTUARINE: Various Estuarine Habitats

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
NORTH: (+) P P P P P P P P P P P P P P P P P P (+)
SOUTH: (+) P P P P P P P P P P P P P P P P P P (+)

STERNA CASPIA (CASPIAN TERN)

R

HABITAT: TERRESTRIAL: Beach Dune, Ruderal LACUSTRINE: Various Lacustrine Habitats RIVERINE: Various Riverine Habitats ESTUARINE: Various Estuarine Habitats

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P

DISTRIBUTION OF RARE/ENDANGERED SPECIES IN ST. JOHNS COUNTY, FLORIDA (Florida Natural Areas Inventory, December 1989)

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BIRDS (cont.)

STERNA MAXIMA (ROYAL TERN) C
HABITAT: TERRESTRIAL: Beach Dune , Ruderal LACUSTRINE: Various Lacustrine Habitats MARINE: Various Marine Habitats ESTUARINE: Various Estuarine Habitats
SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P

STERNA SANDVicensis (SANDWICH TERN) R
HABITAT: TERRESTRIAL: Beach Dune , Ruderal MARINE: Various Marine Habitats ESTUARINE: Various Estuarine Habitats
SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
NORTH: (+) (+) P
SOUTH: P

MAMMALS

MUSTELA FRENATA OLIVACEA (SOUTHEASTERN WEASEL) R
HABITAT: TERRESTRIAL: Various Terrestrial Habitats , Ruderal PALUSTRINE: Various Palustrine Habitats
SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P

MUSTELA VISON LUTENSIS (ATLANTIC SALT MARSH MINK) R
HABITAT: MARINE: Marine Tidal Marsh ESTUARINE: Estuarine Tidal Marsh
SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P

NEOFIBER ALLENI (ROUND-TAILED MUSKRAT) R
HABITAT: PALUSTRINE: Floodplain Marsh, Swale, Depression Marsh , Basin Marsh LACUSTRINE: Marsh Lake , Flatwoods/Prairie Lake ESTUARINE: Estuarine Tidal Marsh
SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P

PEROMYSCUS GOSSYPINUS ANASTASAE (ANASTASIA ISLAND COTTON MOUSE) R
HABITAT: TERRESTRIAL: Beach Dune, Coastal Strand, Maritime Hammock, Coastal Grassland, Coastal Berm , Ruderal MARINE: Marine Tidal Marsh ESTUARINE: Estuarine Tidal Marsh
SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P

PEROMYSCUS POLIONOTUS PHASHA (ANASTASIA ISLAND BEACH MOUSE) C
HABITAT: TERRESTRIAL: Beach Dune
SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P

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(seasonal distribution is based on statewide data, not data specific to this county)MAMMALS (cont.)PLECOTUS RAFINESQUII (SOUTHEASTERN BIG-EARED BAT) RHABITAT: TERRESTRIAL: Various Terrestrial Habitats, Ruderal PALUSTRINE: Various Palustrine HabitatsSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P P P P P P P P P P P P P P P P P P PPODOMYS FLORIDANUS (FLORIDA MOUSE) RHABITAT: TERRESTRIAL: Scrub, Sandhill, Scrubby FlatwoodsSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P P P P P P P P P P P P P P P P P P PSCIURUS NIGER SHERMANI (SHERMAN'S FOX SQUIRREL) RHABITAT: TERRESTRIAL: Sandhill, Mesic Flatwoods, Scrubby Flatwoods PALUSTRINE: Dome Swamp, BaygallSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P P P P P P P P P P P P P P P P P P PSOREX LONGIROSTRIS LONGIROSTRIS (SOUTHEASTERN SHREW) RHABITAT: PALUSTRINE: Floodplain Forest, Floodplain SwampSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P P P P P P P P P P P P P P P P P P PTRICHECHUS MANATUS (WEST INDIAN MANATEE) CHABITAT: RIVERINE: Alluvial Stream, Blackwater Stream, Spring-Run Stream MARINE: Various Marine Habitats ESTUARINE: Various Estuarine HabitatsSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P P P P P P P P P P P P P P P P P P PURSUS AMERICANUS FLORIDANUS (FLORIDA BLACK BEAR) CHABITAT: TERRESTRIAL: Various Terrestrial Habitats PALUSTRINE: Various Palustrine HabitatsSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P P P P P P P P P P P P P P P P P P P

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SPECIAL PLANTS

ADIANTUM TENERUM (BRITTLE MAIDENHAIR FERN)

County Status: R

HABITAT: TERRESTRIAL: Sinkhole, Rockland Hammock, Upland Hardwood Forest RIVERINE: Spring-Run Stream - on banks COMMENTS: on limestone or soil over limestone

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
V V

AMYRIS BALSAMIFERA (BALSAM TORCHWOOD)

?

HABITAT: TERRESTRIAL: Rockland Hammock, Shell Mound, Beach Dune, Coastal Berm

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
F F

COMMENTS: specimens from VOLU and BREV appear to be mis-identified. they appear to be amyris elemifera rather than a. balsamifera

ASPLENIUM AURITUM (AURICLED SPLEENWORT)

C

HABITAT: PALUSTRINE: Slough, Hydric Hammock COMMENTS: epiphytic on trees

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
V V

ASPLENIUM SERRATUM (BIRD'S NEST SPLEENWORT)

C

HABITAT: PALUSTRINE: Strand Swamp, Dome Swamp COMMENTS: on trees and logs

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
V V

CALAMINTHA ASHEI (ASHE'S SAVORY)

C

HABITAT: TERRESTRIAL: Scrub COMMENTS: in disturbed areas

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
F F

CALAMOVILFA CURTISSII (CURTISS' SANDGRASS)

R

HABITAT: TERRESTRIAL: Mesic Flatwoods PALUSTRINE: Wet Prairie, Wet Flatwoods, Depression Marsh

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
F F

COMMENTS: flowers after fire

CENTROSEMA ARENICOLA (SAND BUTTERFLY PEA)

C

HABITAT: TERRESTRIAL: Sandhill, Scrubby Flatwoods COMMENTS: ruderal

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
F F

DISTRIBUTION OF RARE/ENDANGERED SPECIES IN VOLUSIA COUNTY, FLORIDA (Florida Natural Areas Inventory, December 1989)

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SPECIAL PLANTS (cont.)

CHAMAESYCE CUMULICOLA (SAND-DUNE SPURGE) C
 HABITAT: TERRESTRIAL: Scrub, Beach Dune, Maritime Hammock, Coastal Strand COMMENTS: in openings
 SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
 F F F F F F F F F F F F F F F F F F

COELORACHIS TUBERCULOSA (PIEDMONT JOINTGRASS) R
 HABITAT: LACUSTRINE: Sandhill Upland Lake -margins
 SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
 F Fr F Fr F Fr F Fr F Fr F Fr F Fr F Fr

CONRADINA GRANDIFLORA (LARGE-FLOWERED ROSEMARY) C
 HABITAT: TERRESTRIAL: Scrub, Coastal Strand COMMENTS: in disturbed areas
 SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
 F F F F F F F F F F F F F F F F F F

DEERINGOTHAMNUS RUGELII (RUGEL'S PAWPAW) C
 HABITAT: TERRESTRIAL: Mesic Flatwoods
 SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
 F F F F F F F F F F F F F F F F F F

GLANDULARIA MARITIMA (COASTAL VERVAIN) C
 HABITAT: TERRESTRIAL: Beach Dune, Coastal Strand COMMENTS: ruderal
 SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
 F F F F F F F F F F F F F F F F F F

GLANDULARIA TAMPENSIS (TAMPA VERVAIN) C
 HABITAT: TERRESTRIAL: Mesic Flatwoods PALUSTRINE: Hydric Hammock COMMENTS: edges and clearings
 SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
 F F F F F F F F F F F F F F F F F F
COMMENTS: BROW and DADE specimens may be mis-identified - glandularia maritima is a very similar species

HARTWRIGHTIA FLORIDANA (HARTWRIGHTIA) C
 HABITAT: TERRESTRIAL: Mesic Flatwoods PALUSTRINE: Wet Flatwoods, Bog, Seepage Slope, Baygall COMMENTS: clearings
 SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
 F F F F F F F F F F F F F F F F F F

DISTRIBUTION OF RARE/ENDANGERED SPECIES IN VOLUSIA COUNTY, FLORIDA (Florida Natural Areas Inventory, December 1989)

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(seasonal distribution is based on statewide data, not data specific to this county)SPECIAL PLANTS (cont.)HELIANTHUS CARNOSUS (LAKE-SIDE SUNFLOWER)

C

HABITAT: PALUSTRINE: Seepage Slope, Wet FlatwoodsSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
F F F F F FILEX OPACA VAR ARENICOLA (SCRUB HOLLY)

C

HABITAT: TERRESTRIAL: ScrubSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
V V V V V V V V V V V V V V V V V V V VILICIAM PARVIFLORUM (STAR ANISE)

C

HABITAT: PALUSTRINE: Bottomland Forest, Hydric Hammock, Baygall RIVERINE: Spring-Run StreamSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
F F F F F FLANTANA DEPRESSA (FLORIDA LANTANA)

C

HABITAT: TERRESTRIAL: Coastal Strand, Pine Rockland, Beach Dune PALUSTRINE: Marl PrairieSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
F F F F F F F F F F F F F FCOMMENTS: often hybridizes with the exotic, L. camaraLECHEA CERNUA (MOODING PINWEED)

R

HABITAT: TERRESTRIAL: Scrub COMMENTS: openings; disturbed areas; common after firesSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
F Fr F Fr F Fr F Fr F Fr F Fr F Fr F Fr F Fr F Fr F Fr F Fr F Fr F FrLECHEA DIVARICATA (PINE PINWEED)

C

HABITAT: TERRESTRIAL: Scrub, Scrubby FlatwoodsSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
F Fr F Fr F Fr F Fr F Fr F Fr F Fr F Fr F Fr F Fr F Fr F FrLILIUM CATESBAEI (SOUTHERN RED LILY)

C

HABITAT: TERRESTRIAL: Mesic Flatwoods PALUSTRINE: Wet Prairie, Wet Flatwoods, Seepage Slope COMMENTS: usually with grassesSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
F F F F F F F F F F F F F F

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SPECIAL PLANTS (cont.)MATELEA FLORIDANA (FLORIDA SPINY-POD)

R

HABITAT: TERRESTRIAL: Upland Mixed Forest, Upland Hardwood Forest

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
F F F F F F F F

MINUARTIA GODFREYI (GODFREY'S SANDWORT)

R

HABITAT: PALUSTRINE: Seepage Slope -ruderal COMMENTS: moist slopes of roadside ditches and grassy banks

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
F F F F

MONOTROPIS REYNOLDSIAE (PIGMY-PIPES)

C

HABITAT: TERRESTRIAL: Upland Hardwood Forest COMMENTS: often under Cornus florida (dogwood)

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
F F F F

MYRIOPHYLLUM LAXUM (PIEDMONT WATER-MILFOIL)

R

HABITAT: PALUSTRINE: Floodplain Swamp, Dome Swamp LACUSTRINE: Sandhill Upland Lake -submersed RIVERINE: Blackwater Stream COMMENTS: roadside ditches

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
V V V V V V V V V V V V V V V V

NEMASTYLIS FLORIDANA (FALL-FLOWERING IXIA)

C

HABITAT: TERRESTRIAL: Mesic Flatwoods PALUSTRINE: Dome Swamp, Wet Flatwoods, Seepage Slope, Wet Prairie COMMENTS: clearings

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
F F F F F F F F F F F F F F F F

NOLINA ATOPOCARPA (FLORIDA BEAR-GRASS)

C

HABITAT: TERRESTRIAL: Mesic Flatwoods COMMENTS: grassy areas

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
F F F Fr F Fr F Fr F Fr F Fr

OPHIOGLOSSUM PALMATUM (HAND FERN)

C

HABITAT: PALUSTRINE: Hydric Hammock COMMENTS: epiphytic on cabbage palms (Sabal palmetto)

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
F F F F F F F F F F F F F F F F

PAVONIA SPINIFEX (YELLOW HIBISCUS)

C

HABITAT: TERRESTRIAL: Upland Hardwood Forest, Shell Mound PALUSTRINE: Hydric Hammock COMMENTS: on limestone

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
F F F F F F F F F F F F F F F F

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SPECIAL PLANTS (cont.)

PELTANDRA SAGITTIFOLIA (SPOON-FLOWER)

C

HABITAT: PALUSTRINE: Basin Marsh, Baygall, Hydric Hammock, Floodplain Forest LACUSTRINE: Sandhill Upland Lake-shores RIVERINE: Seepage StreamSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
F F F F F Fr F Fr F Fr F Fr Fr Fr Fr FrPEPEROMIA HUMILIS (TERRESTRIAL PEPEROMIA)

C

HABITAT: TERRESTRIAL: Maritime Hammock, Upland Hardwood Forest PALUSTRINE: Slough, Hydric Hammock MARINE: Marine Tidal Swamp ESTUARINE: Estuarine Tidal Swamp

COMMENTS: rarely epiphytic; usually on thin humus over calcareous substrate

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
F FPERSEA HUMILIS (SCRUB BAY)

C

HABITAT: TERRESTRIAL: Scrub, SandhillSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
V VPHYSOSTEGIA LEPTOPHYLLA (SLENDER-LEAVED DRAGON-HEAD)

C

HABITAT: PALUSTRINE: Floodplain Swamp, Depression Marsh, Basin Marsh, Dome Swamp, Floodplain Forest RIVERINE: Blackwater Stream -muddy banks or in water MARINE: Marine Tidal Marsh ESTUARINE: Estuarine Tidal MarshSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
F FRHYNCHOSIA CINEREA (BROWN-HAIRED SNOUTBEAN)

C

HABITAT: TERRESTRIAL: Pine Rocklands, Beach Dune, Scrub, Sandhill, Mesic Flatwoods COMMENTS: roadsides, fieldsSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
F FSCHWALBEA AMERICANA (CHAFFSEED)

C

HABITAT: TERRESTRIAL: Scrub, Sandhill, Mesic Flatwoods PALUSTRINE: Wet PrairieSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
F FZEPHYRANTHES SIMPSONII (RAIN LILY)

C

HABITAT: PALUSTRINE: Dome Swamp, Wet Flatwoods COMMENTS: ditches, wet pastures; often in burned over areasSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
F F

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(seasonal distribution is based on statewide data, not data specific to this county)FISHESAGONOSTOMUS MONTICOLA (MOUNTAIN MULLET)

R

HABITAT: RIVERINE: Alluvial Stream, Blackwater Stream, Ruderal (artificial stream) MARINE: Various Marine Habitats ESTUARINE: Various Estuarine HabitatsSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P PICTALURUS BRUNNEUS (SNAIL BULLHEAD)

R

HABITAT: RIVERINE: Alluvial Stream, Blackwater StreamSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P PPETROMYZON MARINUS (SEA LAMPREY)

R

HABITAT: RIVERINE: Blackwater Stream MARINE: Various Marine Habitats ESTUARINE: Various Estuarine HabitatsSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P PAMPHIBIANSNOTOPHTHALMUS PERSTRIATUS (STRIPED NEWT)

R

HABITAT: TERRESTRIAL: Mesic Flatwoods, Sandhill, Scrub, Scrubby Flatwoods (ephemeral wetlands within these communities) LACUSTRINE: Sinkhole Lake, Sandhill Upland Lake, Flatwoods/Prairie Lake, Marsh LakeSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P PRANA AREOLATA (GOPHER FROG)

R

HABITAT: TERRESTRIAL: Sandhill, Scrub, Scrubby Flatwoods, Xeric Hammock (reproduces in ephemeral wetlands within these communities) LACUSTRINE: Ruderal, Sandhill Upland LakeSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
AD. (calling): P
TADPOLES: PREPTILESALLIGATOR MISSISSIPPIENSIS (AMERICAN ALLIGATOR)

C

HABITAT: PALUSTRINE: Various Palustrine Habitats LACUSTRINE: Various Lacustrine Habitats RIVERINE: Various Riverine Habitats ESTUARINE: Various Estuarine HabitatsSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P

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(seasonal distribution is based on statewide data, not data specific to this county)REPTILES (cont.)CARETTA CARETTA (LOGGERHEAD)

C

HABITAT: TERRESTRIAL: Beach Dune -nesting, Coastal Grassland -nesting MARINE: Various Marine Habitats ESTUARINE: Various Estuarine HabitatsSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P P P P P P P P P P P

COMMENTS: "C" in county distribution represents nesting records; "R" represents non-nesting records

CHELONIA MYDAS (GREEN TURTLE)

C

HABITAT: TERRESTRIAL: Beach Dune -nesting, Coastal Grassland -nesting MARINE: Various Marine Habitats ESTUARINE: Various Estuarine HabitatsSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P P P P P P P P P P P

COMMENTS: "C" in county distribution represents nesting records; "R" represents non-nesting records

CLEMMYS GUTTATA (SPOTTED TURTLE)

R

HABITAT: TERRESTRIAL: Mesic Flatwoods PALUSTRINE: Dome Swamp, Basin Swamp, Wet Flatwoods, Hydric Hammock, Depression Marsh, Basin Marsh, Floodplain SwampLACUSTRINE: River Floodplain Lake, Swamp Lake, Flatwoods/Prairie Lake, Marsh Lake RIVERINE: Blackwater Stream ESTUARINE: Estuarine Tidal MarshSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P

COMMENTS: "C" in county distribution represents nesting records; "R" represents non-nesting records

DERMOCHELYS CORIACEA (LEATHERBACK TURTLE)

R

HABITAT: TERRESTRIAL: Beach Dune -nesting, Coastal Grassland -nesting MARINE: Various Marine Habitats ESTUARINE: Various Estuarine HabitatsSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P PDRYMARCHON CORAIS COUPERI (EASTERN INDIGO SNAKE)

R

HABITAT: TERRESTRIAL: Mesic Flatwoods, Upland Pine Forest, Sandhill, Scrub, Scrubby Flatwoods, Rockland Hammock, Ruderal PALUSTRINE: Hydric Hammock, Wet FlatwoodsESTUARINE: Estuarine Tidal SwampSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P PGOPHERUS POLYPHEMUS (GOPHER TORTOISE)

C

HABITAT: TERRESTRIAL: Sandhill, Scrub, Scrubby Flatwoods, Xeric Hammock, Coastal Strand, RuderalSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P PLEPIDOCHELYS KEMPII (ATLANTIC RIDLEY)

R

HABITAT: MARINE: Various Marine Habitats ESTUARINE: Various Estuarine HabitatsSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P

COMMENTS: all records, at present, represent non-nesting occurrences

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(seasonal distribution is based on statewide data, not data specific to this county)REPTILES (cont.)NERODIA CLARKII TAENIATA (ATLANTIC SALT MARSH SNAKE) RHABITAT: MARINE: Marine Tidal Marsh ESTUARINE: Estuarine Tidal MarshSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P P P P P P P P P P P P P P P P P P PPITUOPHIS MELANOLEUCUS MUGITUS (FLORIDA PINE SNAKE) RHABITAT: TERRESTRIAL: Sandhill, Scrubby Flatwoods, Xeric Hammock, RuderalSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P P P P P P P P P P P P P P P P P P PBIRDSACCIPITER COOPERII (COOPER'S HAWK) RHABITAT: TERRESTRIAL: Various Terrestrial Habitats PALUSTRINE: Various Palustrine HabitatsSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P P P P P P P P P P P P P P P P P P PAIMOPHILA AESTIVALIS (BACHMAN'S SPARROW) RHABITAT: TERRESTRIAL: Various Terrestrial Habitats, RuderalSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P P P P P P P P P P P P P P P P P P PAJAJA AJAJA (ROSEATE SPOONBILL) RHABITAT: PALUSTRINE: Various Palustrine Habitats LACUSTRINE: Various Lacustrine Habitats ESTUARINE: Various Estuarine HabitatsSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
NORTH: (+) P
SOUTH: PAPHELOCOMA COERULESCENS COERULESCENS (FLORIDA SCRUB JAY) CHABITAT: TERRESTRIAL: Scrub, Scrubby FlatwoodsSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P P P P P P P P P P P P P P P P P P PARAMUS GUARAUNA (LIMP KIN) CHABITAT: PALUSTRINE: Various Palustrine Habitats LACUSTRINE: Various Lacustrine Habitats RIVERINE: Various Riverine HabitatsSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P P P P P P P P P P P P P P P P P P P

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BIRDS (cont.)

BUTEO BRACHYURUS (SHORT-TAILED HAWK)

R

HABITAT: TERRESTRIAL: Various Terrestrial Habitats PALUSTRINE: Various Palustrine Habitats ESTUARINE: Various Estuarine HabitatsSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P PCASMERODIUS ALBUS (GREAT EGRET)

C

HABITAT: TERRESTRIAL: Various Terrestrial Habitats PALUSTRINE: Various Palustrine Habitats LACUSTRINE: Various Lacustrine Habitats RIVERINE: Various Riverine Habitats
ESTUARINE: Various Estuarine HabitatsSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P PCHARADRIUS MELODUS (PIPING PLOVER)

C

HABITAT: TERRESTRIAL: Beach Dune MARINE: Exposed Marine Unconsolidated Substrate ESTUARINE: Exposed Estuarine Unconsolidated SubstrateSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
NORTH: P P P P P P P P P P (+) (+) P P P P P P P P P P P P P
SOUTH: PDENDROICA DISCOLOR PALUDICOLA (FLORIDA PRAIRIE WARBLER)

R

HABITAT: TERRESTRIAL: Maritime Hammock MARINE: Marine Tidal Swamp ESTUARINE: Estuarine Tidal Swamp COMMENTS: restricted to mangroves in the breeding seasonSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P PEGRETTA CAERULEA (LITTLE BLUE HERON)

C

HABITAT: PALUSTRINE: Various Palustrine Habitats LACUSTRINE: Various Lacustrine Habitats RIVERINE: Various Riverine Habitats ESTUARINE: Various Estuarine HabitatsSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P PEGRETTA THULA (SNOWY EGRET)

C

HABITAT: PALUSTRINE: Various Palustrine Habitats, Ruderal LACUSTRINE: Various Lacustrine Habitats, Ruderal RIVERINE: Various Riverine Habitats ESTUARINE: Various Estuarine HabitatsSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P PEGRETTA TRICOLOR (TRICOLORED HERON)

C

HABITAT: PALUSTRINE: Various Palustrine Habitats LACUSTRINE: Various Lacustrine Habitats RIVERINE: Various Riverine Habitats ESTUARINE: Various Estuarine HabitatsSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P

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BIRDS (cont.)

ELANUS CAERULEUS (BLACK-SHOULDERED KITE)

HABITAT: TERRESTRIAL: Various Terrestrial Habitats , Ruderal PALUSTRINE: Various Palustrine Habitats

SEASONAL DIST.:	JanA	JanB	FebA	FebB	MarA	MarB	AprA	AprB	MayA	MayB	JunA	JunB	JulA	JulB	AugA	AugB	SepA	SepB	OctA	OctB	NovA	NovB	DecA	DecB
NORTH:	P	P	P	P	P	P	P	P	(+)											(+)	P	P	P	P
SOUTH:	P	P	P	P	P	P	P	P	P	P							P	P	P	P	P	P	P	P

EUDOCIMUS ALBUS (WHITE IBIS)

HABITAT: PALUSTRINE: Various Palustrine Habitats LACUSTRINE: Various Lacustrine Habitats ESTUARINE: Various Estuarine Habitats

[illegible]

FALCO COLUMBARIUS (MERLIN) R

HABITAT: TERRESTRIAL: Various Terrestrial Habitats PALUSTRINE: Various Palustrine Habitats ESTUARINE: Various Estuarine Habitats

SEASONAL DIST.:	JanA	JanB	FebA	FebB	MarA	MarB	AprA	AprB	MayA	MayB	JunA	JunB	JulA	JulB	AugA	AugB	SepA	SepB	OctA	OctB	NovA	NovB	DecA	DecB
P	P	P	P	P	P	P	P	P	P	P							P	P	P	P	P	P	P	P

COMMENTS: most often seen during migration

FALCO PEREGRINUS (PEREGRINE FALCON)

HABITAT: TERRESTRIAL: Various Terrestrial Habitats , Ruderal PALUSTRINE: Various Palustrine Habitats LACUSTRINE: Various Lacustrine Habitats ESTUARINE: Various Estuarine Habitats.

SEASONAL	DIST.:	JanA	JanB	FebA	FebB	MarA	MarB	AprA	AprB	MayA	MayB	JunA	JunB	JulA	JulB	AugA	AugB	SepA	SepB	OctA	OctB	NovA	NovB	DecA	DecB
	NORTH:	P	P	P	P	P	P	P	P	P	P	(+)					(+)	P	P	P	P	P	P	P	P
	SOUTH:	P	P	P	P	P	P	P	P	P	P							P	P	P	P	P	P	P	P

COMMENTS: most often seen during migration; uncommon in winter

FALCO SPARVERIUS PAULUS (SOUTHEASTERN AMERICAN KESTREL)

HABITAT: **TERRESTRIAL:** Various Terrestrial Habitats , Ruderal **PALUSTRINE:** Various Palustrine Habitats **ESTUARINE:** Various Estuarine Habitats

[illegible]

COMMENTS: best identified between May and August (breeding season)

GRUS CANADENSIS PRATENSIS (FLORIDA SANDHILL CRANE)

HABITAT: TERRESTRIAL: Dry Prairie , Ruderal PALUSTRINE: Swale, Basin Marsh, Depression Marsh, Bog, Marl Prairie , Wet Prairie LACUSTRINE: Flatwoods/Prairie Lake , Marsh Lake

[illegible]

List is organized by Special Plants, in alphabetical order, followed by Vertebrates listed alphabetically within class.

County Status: C = confirmed R = reported ? = specimen available but may be incorrectly identified Habitat: see FNAI community classification

Seasonal Distribution: Plants- F = flowering Fr = fruiting V = vegetative Animals- P = present (see text) (+) = records outside expected period (birds only)
(seasonal distribution is based on statewide data, not data specific to this county)

BIRDS (cont.)

HAEMATOPUS PALLIATUS (AMERICAN OYSTERCATCHER)

R

HABITAT: TERRESTRIAL: Beach Dune, Ruderal MARINE: Exposed Marine Unconsolidated Substrate, Exposed Marine Mollusk Reef ESTUARINE: Exposed Estuarine Unconsolidated Substrate, Exposed Estuarine Mollusk Reef

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P P P P P P P P P P P P P P P P P P P

HALIAEETUS LEUCOCEPHALUS (BALD EAGLE)

C

HABITAT: PALUSTRINE: Various Palustrine Habitats LACUSTRINE: Various Lacustrine Habitats RIVERINE: Various Riverine Habitats ESTUARINE: Various Estuarine Habitats

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P P P P P P P P P P P P P P P P P P P

IXOBRYCHUS EXILIS (LEAST BITTERN)

R

HABITAT: PALUSTRINE: Basin Marsh, Depression Marsh, Swale, Floodplain Marsh LACUSTRINE: Marsh Lake MARINE: Marine Tidal Marsh ESTUARINE: Marine Tidal Marsh

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
NORTH: (+) P
SOUTH: P

LATERALLUS JAMAICENSIS (BLACK RAIL)

R

HABITAT: PALUSTRINE: Basin Marsh, Depression Marsh, Swale, Floodplain Marsh LACUSTRINE: Marsh Lake MARINE: Marine Tidal Marsh ESTUARINE: Estuarine Tidal Marsh

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P P P P P P P P P P P P P P P P P P P

COMMENTS: range not well known

MYCTERIA AMERICANA (WOOD STORK)

C

HABITAT: PALUSTRINE: Various Palustrine Habitats LACUSTRINE: Various Lacustrine Habitats ESTUARINE: Various Estuarine Habitats

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
NORTH: (+) (+) P
SOUTH: P

NYCTANASSA VIOLACEA (YELLOW-CROWNED NIGHT-HERON)

R

HABITAT: PALUSTRINE: Various Palustrine Habitats RIVERINE: Various Riverine Habitats ESTUARINE: Various Estuarine Habitats

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
NORTH: (+) P
SOUTH: P

NYCTICORAX NYCTICORAX (BLACK-CROWNED NIGHT-HERON)

C

HABITAT: PALUSTRINE: Various Palustrine Habitats LACUSTRINE: Various Lacustrine Habitats RIVERINE: Various Riverine Habitats ESTUARINE: Various Estuarine Habitats

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P P P P P P P P P P P P P P P P P P P

DISTRIBUTION OF RARE/ENDANGERED SPECIES IN VOLUSIA COUNTY, FLORIDA (Florida Natural Areas Inventory, December 1989)

Page 12

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(seasonal distribution is based on statewide data, not data specific to this county)

BIRDS (cont.)

PANDION HALIAETUS

(OSPREY)

C

HABITAT: TERRESTRIAL: Various Terrestrial Habitats , Ruderal PALUSTRINE: Various Palustrine Habitats LACUSTRINE: Various Lacustrine Habitats RIVERINE: Various Riverine Habitats MARINE: Near Shore ESTUARINE: Various Estuarine Habitats

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P P P P P P P P P P P P P P P P P P P

PELECANUS OCCIDENTALIS

(BROWN PELICAN)

C

HABITAT: MARINE: Various Marine Habitats ESTUARINE: Various Estuarine Habitats

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P P P P P P P P P P P P P P P P P P P

PICOIDES BOREALIS

(RED-CKCKADED WOODPECKER)

C

HABITAT: TERRESTRIAL: Sandhill, Scrubby Flatwoods , Mesic Flatwoods

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P P P P P P P P P P P P P P P P P P P

PICOIDES VILLOSUS

(HAIRY WOODPECKER)

R

HABITAT: TERRESTRIAL: Various Terrestrial Habitats PALUSTRINE: Various Palustrine Habitats

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P P P P P P P P P P P P P P P P P P P

PLEGADIS FALCINELLUS

(GLOSSY IBIS)

R

HABITAT: PALUSTRINE: Various Palustrine Habitats LACUSTRINE: Various Lacustrine Habitats ESTUARINE: Various Estuarine Habitats

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P P P P P P P P P P P P P P P P P P P

POLYBORUS PLANCUS

(CRESTED CARACARA)

R

HABITAT: TERRESTRIAL: Dry Prairie , Ruderal PALUSTRINE: Wet Prairie , Wet Flatwoods

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P P P P P P P P P P P P P P P P P P P

RYNCHOPS NIGER

(BLACK SKIMMER)

R

HABITAT: TERRESTRIAL: Beach Dune , Ruderal MARINE: Various Marine Habitats ESTUARINE: Various Estuarine Habitats

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P P P P P P P P P P P P P P P P P P P

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(seasonal distribution is based on statewide data, not data specific to this county)

BIRDS (cont.)

STERNA ANTILLARUM (LEAST TERN)

R

HABITAT: TERRESTRIAL: Beach Dune, Ruderal LACUSTRINE: Various Lacustrine Habitats RIVERINE: Various Riverine Habitats ESTUARINE: Various Estuarine Habitats

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB

NORTH: (+) P P P P P P P P P P P P P P P P P P (+)
SOUTH: (+) P P P P P P P P P P P P P P P P P P (+)

STERNA CASPIA (CASPIAN TERN)

R

HABITAT: TERRESTRIAL: Beach Dune, Ruderal LACUSTRINE: Various Lacustrine Habitats RIVERINE: Various Riverine Habitats ESTUARINE: Various Estuarine Habitats

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB

P P

STERNA MAXIMA (ROYAL TERN)

R

HABITAT: TERRESTRIAL: Beach Dune, Ruderal LACUSTRINE: Various Lacustrine Habitats MARINE: Various Marine Habitats ESTUARINE: Various Estuarine Habitats

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB

P P

STERNA SANDVICENSIS (SANDWICH TERN)

R

HABITAT: TERRESTRIAL: Beach Dune, Ruderal MARINE: Various Marine Habitats ESTUARINE: Various Estuarine Habitats

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB

NORTH: (+) (+) P
SOUTH: P

VIREO ALTILOQUUS (BLACK-WHISKERED VIREO)

R

HABITAT: TERRESTRIAL: Maritime Hammock, Rockland Hammock MARINE: Marine Tidal Swamp ESTUARINE: Estuarine Tidal Swamp

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB

NORTH: P
SOUTH: P

MAMMALS

MUSTELA FRENATA OLIVACEA (SOUTHEASTERN WEASEL)

R

HABITAT: TERRESTRIAL: Various Terrestrial Habitats, Ruderal PALUSTRINE: Various Palustrine Habitats

SEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB

P P

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Seasonal Distribution: Plants: F = flowering Fr = fruiting V = vegetative Animals: P = present (see text) (+) = records outside expected period (birds only)
(seasonal distribution is based on statewide data, not data specific to this county)MAMMALS (cont.)MUSTELA FRENATA PENINSULAE (FLORIDA LONG-TAILED WEASEL)

R

HABITAT: TERRESTRIAL: Various Terrestrial Habitats PALUSTRINE: Various Palustrine HabitatsSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P P P P P P P P P P P P P P P P P P PNEOFIBER ALLENI (ROUND-TAILED MUSKRAT)

R

HABITAT: PALUSTRINE: Floodplain Marsh, Swale, Depression Marsh, Basin Marsh LACUSTRINE: Marsh Lake, Flatwoods/Prairie Lake ESTUARINE: Estuarine Tidal MarshSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P P P P P P P P P P P P P P P P P P PPEROMYSCUS POLIONOTUS DECOLORATUS (PALLID BEACH MOUSE)

R

HABITAT: TERRESTRIAL: Coastal Strand, Beach DuneSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P P P P P P P P P P P P P P P P P P PPEROMYSCUS POLIONOTUS NIVEIVENTRIS (SOUTHEASTERN BEACH MOUSE)

R

HABITAT: TERRESTRIAL: Beach Dune, Coastal Strand, ScrubSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P P P P P P P P P P P P P P P P P P PPLECOTUS RAFINESQUII (SOUTHEASTERN BIG-EARED BAT)

R

HABITAT: TERRESTRIAL: Various Terrestrial Habitats, Ruderal PALUSTRINE: Various Palustrine HabitatsSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P P P P P P P P P P P P P P P P P P PPODOMYS FLORIDANUS (FLORIDA MOUSE)

R

HABITAT: TERRESTRIAL: Scrub, Sandhill, Scrubby FlatwoodsSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P P P P P P P P P P P P P P P P P P PSCIURUS NIGER SHERMANI (SHERMAN'S FOX SQUIRREL)

R

HABITAT: TERRESTRIAL: Sandhill, Mesic Flatwoods, Scrubby Flatwoods PALUSTRINE: Dome Swamp, BaygallSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P P P P P P P P P P P P P P P P P P PSOREX LONGIROSTRIS LONGIROSTRIS (SOUTHEASTERN SHREW)

R

HABITAT: PALUSTRINE: Floodplain Forest, Floodplain SwampSEASONAL DIST.: JanA JanB FebA FebB MarA MarB AprA AprB MayA MayB JunA JunB JulA JulB AugA AugB SepA SepB OctA OctB NovA NovB DecA DecB
P P P P P P P P P P P P P P P P P P P P

County Status: C = confirmed R = reported ? = specimen available but may be incorrectly identified Habitat: see FNAI community classification

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MAMMALS (cont.)

TRICHECHUS MANATUS

(WEST INDIAN MANATEE)

C

HABITAT: RIVERINE: Alluvial Stream, Blackwater Stream, Spring-Run Stream MARINE: Various Marine Habitats ESTUARINE: Various Estuarine Habitats

[illegible]

URSUS AMERICANUS FLORIDANUS

(FLORIDA BLACK BEAR)

C

HABITAT: TERRESTRIAL: Various Terrestrial Habitats PALUSTRINE: Various Palustrine Habitats

[illegible]

P-GES 3/93

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY Flagler # 5 CODE FL FLAG 005

SITE NAME _____ QUAD/CODE Dinner Island 2908154

LOCATION T 11S , R 28E . SECT. 13, 14, 23, 24, 25, 26, 27

POTENTIAL FEATURE Hammocks, etc. Basin Swamp, Druggall

Sec 26 some unusual openings

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD-3808-3-10 Flora 4-6-89

PD 4116-3-10 on 2-19-93

SOILS PHOTO # _____ SOIL TYPE _____

INITIAL GROUND SURVEY SUMMARY

EVALUATOR _____ DATE(S) _____

DESCRIPTION _____

NATURAL QUALITY _____

OVERALL EVALUATION P? - Orzell 11/93; PA Hipes 4/94

P - GES 3/95

FLAG 005

aerial survey on 6-2-94.

East side: mature forest, large pine and few scattered cypress, many gaps in canopy, more cypress to S
baygall with numerous Gordonia
S end - many large trees
dirt road and ditch cross the south end E-W,

Very open in middle, ground cover visible

- scattered cabbage palms and hardwoods
- Planted pines to E

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY Flagler # 6 CODE FL FLAG 006
 SITE NAME Bear Island - West Entrance QUAD/CODE 2908154 ^{Dinner Island} Combined with 003
 LOCATION T 11S , R 28E . SECT. 1, 2, 3, 10, 11, 12, 13
 10S 28E 24, 34, 35, 36

POTENTIAL FEATURE Hydrz Hammock?

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD 3808- 3-12, 3-13 Flown 4-6-89
PD 4116 2-12, 3-13, 3-14 Flown 2-19-93

SOILS PHOTO # _____ SOIL TYPE _____

INITIAL GROUND SURVEY SUMMARY

EVALUATOR _____ DATE(S) _____

DESCRIPTION _____

NATURAL QUALITY _____

OVERALL EVALUATION P? - Orzell 11/93

R-GE5 3/95

FLAG 006

Aerial survey on 6-2-94.

Dirt road divides site N & S.

N side: good canopy cover of oaks, red maple,
other hardwoods, and scattered pine

S end: cypress along edges and scattered inside
- very open ground cover

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY Flagler # 7 CODE FL FLAG 007

SITE NAME Flagler Estate RAUD QUAD/CODE Deer Island 2908154

LOCATION T 10S, R 29E . SECT. 21, 22, 23, 24, 26, 27

POTENTIAL FEATURE Road gridded Flatwoods ^{most} open flatwoods
~~remaining in Flagler County otherwise would not be identified~~

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD 3808-3-15

Flown 4-6-89

PD 4116=

2-15 → 2-16, 3-16

Flown 2-19-93

SOILS PHOTO # _____ SOIL TYPE _____

INITIAL GROUND SURVEY SUMMARY

EVALUATOR GES DATE(S) _____

DESCRIPTION _____

Numerous ditches lower water table of site.

NATURAL QUALITY _____

OVERALL EVALUATION C- Orzell 11/93; CT-Hipes

FLAG 007

Aerial survey on 6-2-94.

Divided by dirt roads with grassy borders.

Mesic flatwoods N of powerline along S boundary.

Very open canopy, scattered pines.

Major canal runs N-S through the center and connects to numerous E-W side canals along roads.

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY Flagler # 9 CODE FLFLAG009SITE NAME _____ QUAD/CODE Dinner Island 2908154
San Mateo 2908155LOCATION T 10S, R 28E . SECT. 27, 28, 29, 31, 32, 33
11S 28E 4, 5, 6NW corner of countyPOTENTIAL FEATURE Hydric Hammock

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD 3808 - 1-10, 1-11 Flora 4689
2-12, 2-11PD 4116 - 2-13, 2-14 on 2-19-93

SOILS PHOTO # _____ SOIL TYPE _____

INITIAL GROUND SURVEY SUMMARY

EVALUATOR _____ DATE(S) _____

DESCRIPTION _____

NATURAL QUALITY _____

OVERALL EVALUATION C - Orzell 11/93 C1 - Hips 4/94

FLAG 009

Aerial survey on 6-2-94.

Canal runs N-S through center of PNA and connects
to canals running E-W,

North end bounded by powerline and then Flagler Estates.

E half hydric hammock

P- 6E9 3/92

NC Averse site

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY Flagler # 21 CODE FL FLAG 021

SITE NAME Beverly Beach QUAD/CODE Flagler Beach West 2908142

LOCATION T 12S, R 31E . SECT. 2, 3, 10, 11, 14, 39, 40
11S 31E 9, 10, 15, 16, 20, 21, 22, 23, 26, 27, 28, 34, 35

N&S of SR 100, south of Palm Coast

POTENTIAL FEATURE "Scrub" along FL 9 grading into hardwood swamp
best scrub in 11-K photo along SA?

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD 4116-10-17, 10-18, 10-19, ¹¹⁻¹⁴ 11-15, 11-16, 11-17, 11-18, 11-19

Flown 2-18-93: 10-16 → 10-19 ; 11-13 → 11-19

12-05 → 12-06

SOILS PHOTO # _____ SOIL TYPE _____

INITIAL GROUND SURVEY SUMMARY

EVALUATOR _____ DATE(S) _____

DESCRIPTION _____

NATURAL QUALITY _____

OVERALL EVALUATION P- Orzell 11/93; P- GES 3/95

Diverse area of many NC's. Residential development appears imminent along new road at south end of Palm Coast.

FLAG # 21

aerial survey on 6-2-94.

Flying S along W bank of Intracoastal Waterway:
Maritime hammock along edge with mesic flatwoods

to W. Section 15; very low growing oak and
saw palmetto. Open areas W of coastal strand in
scrubby flatwoods with slash pine and low oaks.

- Large sand pine and sand live oak along edge
of intracoastal. Depression marshes along W side.

Section 22: maritime hammock ~ 1000' wide

inland: Section 34: mesic flatwoods along E side.

- major N-S dirt road runs W of old quarry.

S end - W side: along Old Kings Highway's E side:

- sand pine scrub along N-S ridges parallel
to road - some areas cutover

✓ rare species

- ~ 200 yard wide strand of hydric hammock
with cabbage palms to E

- 2nd ridge to E covered with planted pine

SE side by intracoastal: maritime hammock - few
scattered Salal, some Miconia, large pine,
numerous oaks, Serenoa understory in places.

- narrow band of salt marsh to E.

Sections 2 & 11 just N of SR 100: mesic flatwoods
with N-S ridges of oak scrub, some depression.

* new paved road extends S from Palm Coast to
NE corner of PNA (Section 16) where it dead ends
in sand pine scrub.

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY Flagler # 31 CODE FL FLAG 031
SITE NAME _____ QUAD/CODE Dinner Island NE 2908163
Espanola 2908153
Beverly Beach 2908152
LOCATION T 10S, R 30E, SECT. 14, 15, 22, 23, 25, 26, 35, 36

POTENTIAL FEATURE Basin Swamp - surround by planted bays

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: 9-22 and 416-9-23 Flown 2-18-93

SOILS PHOTO # _____ SOIL TYPE _____

INITIAL GROUND SURVEY SUMMARY

EVALUATOR _____ DATE(S) _____

DESCRIPTION _____

NATURAL QUALITY _____

OVERALL EVALUATION CI Hips

C-GE5 3/95

FLAG Ø 31

Aerial survey on 6-2-94,

✓ Mesic flatwoods along E side of I-95 best part.

Narrow N-S cypress strand swamp in middle.

Planted pine at N end along road, W of cypress strand
and on W side of PNA.

N end: couple of large cypress dome swamps
in cutover pine flatwoods; domes very
dry on this date - no standing water.

* Poor quality due to great number of planted
pines.

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY Flagler # 33 CODE FL FLAK 033
SITE NAME Montanzas Marsh QUAD/CODE Beverly Beach 2908152
Matanzas Inlet 2908162
LOCATION T 10S, R 30E, SECT. 7, 13, 24, 39, 40, 41, 48, 42
10S 31E 7, 18, 19, 30, 31, 41

POTENTIAL FEATURE Salt marsh, scrub, Coastal hammock
- canals dug in salt marsh.

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: 4116-10-22, 10-23, 10-25 Flown 2-18-93
4116-9-23 → 9-25

SOILS PHOTO # _____ SOIL TYPE _____

INITIAL GROUND SURVEY SUMMARY

EVALUATOR _____ DATE(S) _____

DESCRIPTION _____

NATURAL QUALITY _____

OVERALL EVALUATION PA H.P.C.S. 4/94

P-GES 3/95

FLAG 33

Aerial survey on 6-2-94.

N end:

- houses along S side of Pellicer Creek
- maritime hammock with large live oaks and pine
- some depression marshes with Spartina bakeri
- access by N-S dirt road ~1000' W of salt marsh
- clearings in center where timber has been cut
planted pines all around

S end: oak scrub in narrow band between
planted pine and salt marsh
some mesic flatwoods

W side: most of area has been converted to planted pine
* many canals in salt marsh

S tip: marsh between portions of Palm Coast
Development - Section 31,
salt marsh with very narrow band of
mesic flatwoods along edge
- houses right on edge of marsh

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY Flagler # 34 CODE FL FLAG 034SITE NAME _____ QUAD/CODE Dinner Island 2908154LOCATION T 11S. R 28E. SECT. 3, 4, 9, 10, 15, 16POTENTIAL FEATURE Basin Swamp - surrounded by cutover areas and pine plantations

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: 4116-2-12Flown: 2-18-93

SOILS PHOTO # _____ SOIL TYPE _____

INITIAL GROUND SURVEY SUMMARY

EVALUATOR _____ DATE(S) _____

DESCRIPTION _____

NATURAL QUALITY _____

OVERALL EVALUATION CI 10/10/94

C-GCS 3/95

FLAG 34

Aerial survey on 6-2-94.

NE corner logged.

Basin swamp with cypress, maple, other hardwoods

Marginal quality.

COUNTY St. Johns1 CODE FL STJO 001

SITE NAME _____

IDE Hastings 2908165LOCATION T 105 , R 28E .SECT. 6 , 1 , 8 , 18 , 38POTENTIAL FEATURE Mesic Flatwoods being cut?; situated at East Run

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD 3807-5-03, 5-05 Flown- 11-3-88PD 4123-5-03 → 5-07 Flown: 2-23-93SOILS PHOTO # 48 SOIL TYPE 61, 65, 9, 34, 68

INITIAL GROUND SURVEY SUMMARY

EVALUATOR _____ DATE(S) _____

DESCRIPTION _____

NATURAL QUALITY _____

OVERALL EVALUATION C - Orzell 11/93 C - GES 3/951993 photos show reduction in PNA size; south end cleared and replanted with pines, other areas cleared for agricultural fields. Boundaries changed 3/95.

STJO 001

Aerial survey on 6-2-94.

Mesic flatwoods heavily disturbed by recent logging.

Planted pines S of paved road at the top of Section 6.

Recent logging in Section 7.

N of paved road; very disturbed by logging activities,
some areas cutover, scattered trees, low quality,

Small area of strand swamp along East Run.

* Not qualified.

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY St. Johns # 3 CODE FL STJD 003
 SITE NAME _____ QUAD/CODE Elliston 2908174
 LOCATION T 8S, R 28E . SECT. 8, 17, 37 Riverdale 2908175

POTENTIAL FEATURE hydro hammock, ditch in center

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD 3807-5-12 Fluor 11-3-82
PD 4123 5-13 on 2-23-93

SOILS PHOTO # 31 SOIL TYPE 42, 18, 58

INITIAL GROUND SURVEY SUMMARY

EVALUATOR _____ DATE(S) _____

DESCRIPTION _____

NATURAL QUALITY _____

OVERALL EVALUATION C - Orzell 11/93; C - GES 3/95

STJOφφ3

Aerial survey on 6-2-94.

Hydric hammocks with good canopy cover of large trees in the middle - cypress, hardwoods.

Very wet underneath trees.

W 1/2 looks to be in pretty good shape.

Potato fields to E and in the center on E side Sect. 8.

Planted pines on N side,

Ditch runs through the center E-W.

* B-C value,

Access road to center potato field enters from W.

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY St. Johns # 4 CODE FL STJO 004
 SITE NAME _____ QUAD/CODE Riverdale 2908175
 LOCATION T 8S , R 27E, 28E SECT. 42 , 40 , 39

POTENTIAL FEATURE Hydriz hammock? (part of STJO 008) (with scrub island in sec 42?)

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD 3807-5-14 Flown 11-3-88
PD 4123-5-14 → 5-16 2-23-93

SOILS PHOTO # 26, 30, 31 SOIL TYPE 18, 26, 46, 34, 9

INITIAL GROUND SURVEY SUMMARY

EVALUATOR _____ DATE(S) _____

DESCRIPTION _____

NATURAL QUALITY _____

OVERALL EVALUATION C-P? - Orzell 11/93; C-GES 3/95
- small size

STJO664

Aerial survey on 6-2-94.

Very narrow band of strand along stream W from CR 13-A bridge, broadens out to W and along N branch of stream,

Pine plantation E & W.

N end Section 39; Hydric hammock with even age canopy, many cypress.

Power line intersects PNA N-S in Section 31 - lower quality swamp here.

✓ W of CR 214; cypress in large area, some dead trees.

Potato fields to W, N and E.

✓ Check uplands in N part of PNA E of creek and W of SW corner of potato field.

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY St. Johns # 5 CODE FL STJO 005

SITE NAME Six Mile Creek QUAD/CODE Picolata 2908185

LOCATION T 6S, R 27E SECT. 13, 14, 15, 23, 24, 25, 36

Picolata

Bakersville T 7S R 28E SECT. 39 (6, 5, 38, 31, 32)
2908184

POTENTIAL FEATURE Flatwoods Floodplain swamp hydric hammock
GRK: Additional Floodplain Swamp added.

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD 3807-5-19 Flown 11-3-88

5-21, 4-10, 4-11

PD 4123-4-11 → 4-20 flown 2-23-93

5-19 → 5-22

SOILS PHOTO # 18, 19, 22, 23 SOIL TYPE 66, 5, 44, 47, 8, 9

INITIAL GROUND SURVEY SUMMARY

EVALUATOR _____ DATE(S) _____

DESCRIPTION _____

NATURAL QUALITY _____

OVERALL EVALUATION C - Orzell 11/93 CI - GRK - 94-04-14

C - GES 3/95 floodplain swamp of good quality and size

STJO #05

Aerial survey on 6-2-94.

S end: N of CR 208 & W of CR 13-A:

- large mature pine, 20% cypress, hardwood floodplain swamp along creek in good shape with Gordonia and large Magnolia grandiflora
- planted pines border the N side
- channel of creek is visible
- powerline ROW runs N-S through bottom end of site

Section 32: large pines tower over canopy

- area of cypress on S edge
- E end: red maple, large cypress near CR 13A

where there are several houses and pasture to the S

Section 38: Mill Creek: narrow floodplain, 1/4 mile wide maximum, houses along both sides

- next finger to N also very narrow

SR 13: Six Mile Creek: extensive floodplain swamp with large trees, 10% cypress canopy, pines, and other hardwoods; more cypress closer to the river

* good quality

Section 15: cutover in center, big trees on edge, houses along river

N of SR 13: narrow band of floodplain swamp, houses to E, mixture of Gordonia, cypress & hardwoods

N of CR 16A: floodplain narrow, pine plantation to E

Section 25: swamp with large cypress but not very wide

N of CR 210: developed on both sides, planted pines E & W, logging along right finger

Section 15: large area of older trees in swamp at SE end
pine plantation to E & W

Corr
STJ00005 + 11
=> 501

C-GES 3/95

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY St. Johns # 6 CODE FL STJ0 006

SITE NAME Ward's Creek QUAD/CODE Picolata 2908185

LOCATION T 6S, R 27E . SECT. 11, 12, 13

POTENTIAL FEATURE hydroz karimark pine plantations above

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD 3809-5-22 Flain 11-3-88

PD 4123-4-15 flown 2-23-93

SOILS PHOTO # 14, 18 SOIL TYPE 36, 46

INITIAL GROUND SURVEY SUMMARY

EVALUATOR _____ DATE(S) _____

DESCRIPTION _____

NATURAL QUALITY _____

OVERALL EVALUATION C - Orzell 11/93; C-GES 3/95

STJO 006

aerial survey on 6-2-94,

- * Good quality basin swamp of ~ 300 acres.
Big cypress dominate, covering 60-70% of the canopy,
with mixed hardwood understory.
Agricultural fields to N, planted pine S^{&N},
ROW on E side.

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY St. Johns # 8 CODE FL STJO 008
 SITE NAME _____ QUAD/CODE Picolata 2908185
 LOCATION T 75, R 27E SECT. 9, 10, 11, 12, 13, 14, 15, 16, 43, 41, 4
21, 22, 23, 24
Riverdale 2908175 T 75 R 27E sections 22, 23, 24, 25, 26, 27

POTENTIAL FEATURE Mesic flatwoods Hardwood Hammock Fresh Swamp some
outstanding old-growth swamps, some clearcuts

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD 3807-4-06; PD 4123-3-04, 3-07 Flown on 2-23-
3-07, 3-06 4-07-4-10

sec 16 old-growth cypress? sec 14 cut over flatwoods not swamps?

SOILS PHOTO # 22, 26 SOIL TYPE 9, 26, 42, 65, 66, 69

INITIAL GROUND SURVEY SUMMARY

EVALUATOR _____ DATE(S) _____

DESCRIPTION _____

NATURAL QUALITY _____

OVERALL EVALUATION P- Orzell 11/93; P-GES 3/95

Large clearcut area NE of SR 13 in sections 40 & 14.

PHOTOS: 1-17 aerial survey 4 minutes

STJO 008

Aerial survey on 6-2-94.

Section 26: Tocoí Creek floodplain swamp
- many large trees, 33% cypress, pines, oaks

Sect. 22 / 27: mesic flatwoods W of swamp
covering ~300 acres
few houses & docks along river in Sect. 22

N of Solano Cove: extensive hydric hammock &
floodplain swamp, very old and large trees

* A quality

- many large Magnolia grandiflora

* - 4 manatees observed in SJ River along shoreline

Section 41: mesic flatwoods large pine with palmetto understory

* 2 bald eagles spotted flying along shoreline S of CR 13.
Swamp continues on N side of flatwoods.

N of CR 13: borrow pit in cleared area.

- narrow band of cypress along river W of CR 13.

- houses at N end along river by Magnolia Landing

Section 10: S 1/2 mesic flatwoods, large pines, open
canopy, saw palmetto understory

- mesic flatwoods along CR 13 grade into cypress swamp to S

Tocoí Creek bridge on CR 13: recently timbered

pines to W. N of bridge: floodplain swamp
in narrow band along creek, widening out further
N in Section 13 - many large mature trees.

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY St. Johns # 9 CODE FL STJO Q49
SITE NAME Durbin Creek QUAD/CODE Orangedale 3008115
LOCATION T 55, R 28E, SECT. 6, 7, 46

POTENTIAL FEATURE Floodplain Swamp

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD 385D - 5-16-18 flown 11-3-88

PD 4123 - 5-30-85-31 flown 2-23-93

SOILS PHOTO # 5, 6 SOIL TYPE 66, 5.9, 44, 6, 11, 13

INITIAL GROUND SURVEY SUMMARY

EVALUATOR _____ DATE(S) _____

DESCRIPTION _____

NATURAL QUALITY _____

OVERALL EVALUATION C - Orzell 11/93 C - GES 3/95

STJO 009

aerial survey on 6-2-94.

Durbin Creek

- channel obvious from air, water visible
- * - floodplain swamp ~ 1/4 mile wide, good quality
- abundant mature cypress, irregular canopy
- large pines just W of I-95
- planted pines E & W of corridor
- swamp continues E of I-95 to US1 and beyond
- access by dirt road running E-W through the site between I-95 and US1. Section 9 N of creek

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY St Johns # 10 CODE FL STTD 010
SITE NAME Pine Bluff QUAD/CODE 3008115 Orangedale
LOCATION T 4S, R 27E, SECT. 27, 28, 33, 34, 35, 36

POTENTIAL FEATURE Mexic Flatwoods Fairly open some cuttings
GRK: Additional Mexic Flatwoods and Floodplain Swamp added.

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD 3887-4-17, 4-18 Flown 11-3-88
PD 4123-4-22, 3-18-89 Flown 2-23-93

SOILS PHOTO # 5 SOIL TYPE 66, 8, 11, 3, 12, 18

INITIAL GROUND SURVEY SUMMARY

EVALUATOR _____ DATE(S) _____

DESCRIPTION _____

NATURAL QUALITY _____

OVERALL EVALUATION CP-Orzell 11/93 CI GRK-940414

ST JO #10 Pine Bluff/Dublin Creek
Aerial survey on 6-2-94.

W end: - houses N of paved road (Race Track Road)
- golf course and residential area on S side
of road - cutover sandhill

Dublin Creek - $\frac{1}{4}$ mile wide floodplain swamp
Section 27: swamp with mature closed
canopy; numerous cypress predominate

Sections 34, 35, 36: sandhill with major
dirt road running through it
✓ - large longleaf pine with grassy groundcover
in east end - Sections 35 & 36.
- young pines near powerline ROW.

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY St. Johns # 11 CODE FL STJO 11

SITE NAME Orangedale QUAD/CODE Orangedale 3008115

LOCATION T 55, R 27E, SECT. 39,

Fleming Island 3008116

GRK Addition: Floodplain Swamp/Forest, Hydric Hammock, Mesic Flatwoods, Blackwater Stream.

POTENTIAL FEATURE Clearcut Flatwoods but with unusual ground cover
signature, check to see if intact GRK: also scattered Dome Sub

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD 3807-3-14, 3-15 Flown 11-3-88

PD 4123 - 1-03, 1-02 flown 1-28-93

2-06, 2-07

SOILS PHOTO # 8, 13 SOIL TYPE 9, 69, 58, 8, 36, 34

INITIAL GROUND SURVEY SUMMARY

EVALUATOR _____ DATE(S) _____

DESCRIPTION _____

NATURAL QUALITY _____

OVERALL EVALUATION C-P? - Orzell 11/93, site needs to be field
checked prior to assigning a rank GRK: CI 94-04-04

STJO #11

aerial survey on 6-2-94.

Mesic flatwoods, most areas disturbed by logging.

- few pines in some areas with Serenoa understory
- area near Section 29 recently logged
- cleared area in middle of PNA

- * - good quality floodplain swamp by Halloween Cove -
large cypress and Magnolia grandiflora
- osprey nests along river
- observed flying bald eagle just N of cove.
- N end has numerous houses and docks along river
- E of SR 13 cutover

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY St. Johns # 15 CODE FL STJD #15SITE NAME Big Island Swamp QUAD/CODE Bakersville 2908184LOCATION T 6S, R 28E, SECT. 8, 9, 43, 44, 10, 15Dublin 3008114 Sections 3, 4, 5, 8, 9, 10, 43POTENTIAL FEATURE Hydriz hammock most uplands are cut over

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD 3807-6-21PD 4123-6-23 → 6-24 flown 2-19-93SOILS PHOTO # 15, 19 SOIL TYPE 36, 42, 65, 58, 46, 61, 63, 69

INITIAL GROUND SURVEY SUMMARY

EVALUATOR _____ DATE(S) _____

DESCRIPTION _____

NATURAL QUALITY _____

OVERALL EVALUATION C- Orzell 11/93; C-GES 3/95

STJO 015

aerial survey on 6-2-94.

- not qualified: E $\frac{1}{2}$ - clearcut areas of pine; land clearing and large
borrow pond just N of Nine Mile Road; mosaic flatwoods
✓ with open grassy groundcover - check for herbaceous species
W $\frac{1}{2}$ extensive basin swamp; big cypress, Magnolia
* Sections 4 & 9 good quality

S end: scattered cypress with pine subcanopy

- many logging roads bisect area

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY St. Johns # 17 CODE FL STJD 017
SITE NAME Turnbull Swamp QUAD/CODE Bakersville 2908184
LOCATION T 6S, R 28E, SECT. 23, 39, 41

POTENTIAL FEATURE Hydriz Hammock? and Basin Swamp

I-95 separates site from 12 mile Swamp

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD 2807 - 7-22

Flown 11-3-88

PD 4123 - 7-24 Flown 2-19-93

SOILS PHOTO # 19 SOIL TYPE 42, 47, 34, 48, 36

INITIAL GROUND SURVEY SUMMARY

EVALUATOR _____ DATE(S) _____

DESCRIPTION _____

NATURAL QUALITY _____

OVERALL EVALUATION C - Orzell 11/93 C - GE5 3/95

STJO #17

Aerial survey on 6-2-94.

N end; Section 39 - Man-made pond at N end,
turns into basin swamp with many large trees,
even canopy, not real old trees.

S along I-95 - semicircle of planted pines on
E side of swamp - pines about 10-15 years old.

Section 41: trees large, tall, hydric hammock
with Gordonia, Magnolia virginiana, open canopy,
Relatively undisturbed in center.

- Some areas of pine with Serenoa understory.

Quality B-C?

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY St. Johns # 20 CODE FL STJO 054

SITE NAME Twelve mile Swamp QUAD/CODE Bakersville 2908184

LOCATION T 6S, R 29E, SECT. 19, 28, 29, 20, 17, 18, 61, 64, 67, 63

Dublin 3008114 T 5S&6S/R 28E&29E 66

T 7S R 29E SECT 37

POTENTIAL FEATURE Hydric Hammock

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD 3857-8-18 8-19 8-20 Flown 11-7-88

9-19 → 19-23
PD 4123-8-21 → 8-28 Flown 2-19-93

7-22 → 7-29 "

6-24 → 6-27 "

SOILS PHOTO # 20, 16, 24 SOIL TYPE 25, 36, 42, 48, 18, 47, 3, 13

INITIAL GROUND SURVEY SUMMARY

EVALUATOR _____ DATE(S) _____

DESCRIPTION _____

NATURAL QUALITY _____

OVERALL EVALUATION P-Orzell 11/93 P-GES 3/95

STJO 22 Twelve Mile Swamp
Aerial survey on 6-2-94,

* A quality.

Extensive hydric hammock / basin swamp covering more than 10 square miles. Original PNA boundary appears intact, with peripheral areas frequently disturbed by logging activities.

N end: planted pines along the E side of I-95
from CR 210 southward.

✓ Section 21: mesic flatwoods with grassy groundcover.
- access by dirt road paralleling E side of I-95.

Section 27, 34: NW corner of swamp -
large cypress, very old trees, dense canopy.
- many roads in N end, some clearcut areas

E side; area E of original PNA boundary logged & planted pines.

Center: hydric hammock / basin swamp
- dense, solid canopy with large trees of oaks, cabbage palm, occasional Bordonia, cypress in wetter areas, pines in canopy occasional, red maple, sweetgum, etc.

Numerous logging roads inset the site so access should be easy to most areas.

✓ - where 12 Mile Road cuts through the center of the PNA.

* osprey nests at N end section 42; also at S end (section 28)

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY St. Johns # 21 CODE FL STD 001
 SITE NAME Cowan Swamp QUAD/CODE Bakersville 2908184
 LOCATION T 7S , R 29E . SECT. 39, 44, 54, 22, 21

Elkton 2908174 + 7S R 29E SECT 54, 22
St Augustine 2908183 + 7S R 29E SECT 22

POTENTIAL FEATURE Hydric Hammock? & flatwoods

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD 3807-7-10 flown 11-17-88
PD 4123-8-18 → 8-19 Flown 2-19-93,
9-15 → 9-18 2-18-93.

SOILS PHOTO # 24, 28 SOIL TYPE 42, 36 13, 22

INITIAL GROUND SURVEY SUMMARY

EVALUATOR _____ DATE(S) _____

DESCRIPTION _____

NATURAL QUALITY _____

OVERALL EVALUATION C-P? - Orzell 11/93; C-GES 3/95

STJO 21

Aerial survey on 6-2-94.

N end: narrow finger of hardwood hydric hammock
with few scattered pines, even age canopy

- Planted pines on west side of swamp, E of development
center - area broadens out, few scattered large live oak.

CR 214 = logging on N side just E of curve

✓ S side: oak hammock with mesic flatwoods

S end: cutover flatwoods, few scattered pines, mostly
herbaceous ground cover

access - many E-W dirt roads

- cutover flatwoods W of powerline

+ rating B-C quality

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY St. Johns # 22 CODE FL STJO 002

SITE NAME Pine Island Fish Camp QUAD/CODE Durbin 3008114

LOCATION T 55, R 29E, SECT. 28, 29, 32, 33, 60, 61, etc.

65 29E 3, 4, 48

South Ponte Vedra Beach, ~~3008113~~ 3008113

T 55, R 29E Sect. 44, 45, 54, 55, 57, 58, 59, 61

POTENTIAL FEATURE Fairly dense w/ NC's - extensive tidal marsh, hammock
to flatwoods, some swamps, some cut/reared boundary approximate

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD 3807-9-18 Flown 11-17-88

PD 4123-8-27 → 8-29 Flown 2-18-93

9-25 → 9-26

SOILS PHOTO # 16, 11 SOIL TYPE 7, 13, 15, 16, 23, 26

INITIAL GROUND SURVEY SUMMARY

EVALUATOR _____ DATE(S) _____

DESCRIPTION _____

NATURAL QUALITY _____

OVERALL EVALUATION P-Orzell 11/93; P-GES 7/25

North end converted to pine plantations

STJO 022

Aerial survey on 6-2-94.

- ✓ * scrub: N&S side Pine Island Road, all cutover in Section 61. Thin sand pine with saw palmetto understory.
- scattered dome swamps with young cypress and open canopy towards US1.
- mesic flatwoods with palmetto understory
S end: low oak hammock
E side: old sand pines in scrub;
dense shrub layer - few openings
- recent logging opposite 12 Mile Road and along Shannon Road
- cypress strand runs along stream in center of site
- planted pine E of stream
- * better area closer to US1

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY St. Johns # 23 CODE FL STJO 23SITE NAME Cabbage Swamp QUAD/CODE Dublin 3008114LOCATION T 45, R 29E SECT. 55, 57, 59, 60, 62, 6355 29E 3, 39, 65, 66, 10, 15, 22South Ponte Vedra Beach 3008113T 55 R 29E Sect 15 tidal marshPalm Vally T 45 R 29E Sect 51, 28, 55, 67POTENTIAL FEATURE Maritime hammock islands, extensive tidal marsh, hydric
hammock, diverse assemblage of NCS grading from coast inward

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD 3809-9-21, 22, 23 ←PD 4123-9-27 → 9-32 Flown 2-18-93. Flozon 11-3-88SOILS PHOTO # 3, 7, 11 SOIL TYPE 24, 45, 58, 36, 3, 25

INITIAL GROUND SURVEY SUMMARY

EVALUATOR _____ DATE(S) _____

DESCRIPTION _____

NATURAL QUALITY _____

OVERALL EVALUATION P-Orzell 11/93; P-GES 3/95

STJO 023

Aerial survey on 6-2-94.

S of CR 210 and W of Intracoastal Waterway

- mesic flatwoods along edge
- 150-200' wide salt marsh on E side, expanding to $\sim 1/2$ mile wide to S
- numerous scattered cabbage palms
- access by N-S dirt road

S end small young pines

* diverse coastal system in good condition

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY St. Johns # 24B CODE FL STJO 024B

SITE NAME Red House Branch QUAD/CODE St Augustine 2908183

LOCATION T 6S, R 29E . SECT. 26, 35, 81

7S 29E 51, 54

POTENTIAL FEATURE Mesic Flatwoods and
Scrub ridges separated by cypress strand swamp
some uplands converted to pine plantations.

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD 4123-9-19 → 9-21 Flown 2-18-93.

SOILS PHOTO # 21, 25 SOIL TYPE 48, 3, 13, 7, 40, 30, 15, 16, 6

INITIAL GROUND SURVEY SUMMARY

EVALUATOR _____ DATE(S) _____

DESCRIPTION _____

NATURAL QUALITY _____

OVERALL EVALUATION C - GES 3/95

STJO 024 B

aerial survey on 6-2-94,

S of Red House Branch, sections 2 & 51:

numerous roads - all developed with houses

Section 35: developed with houses, borrow ponds,
planted pines.

✓ N end W of airport: mesic flatwoods with
large pines and saw palmetto understory with
areas of mesic hammock along W edge
of powerline. Some extensive areas of
hardwood forest with islands of pine
flatwoods,

West side planted pines.

N-S ridges of scrubby flatwoods, open,
little woody understory

Section 35: SE $\frac{1}{4}$ cutover and cleared-
hardwoods lying on ground.

N: GES 3/95 ✓

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY St. Johns # 25 CODE FL STJO 025SITE NAME Guana River WMA QUAD/CODE South Ponte Vedra Beach 30081LOCATION T 5S, R 29E SECT. 2, 37, 38, 11, 13, 14, 25, 46, 47, 48, 49,
50, 51T 4S R 29E Sect 54, 56Nickles Landing 3008123 T 4S R 29E Sect 22, 52, 54, 56Could be too coastal site in County; perhaps most diverse coastalward piece
large area of coastal uplandsPOTENTIAL FEATURE Extensive Outstanding maritime hammock? near shell bluff landing
marsh, flatwoods, coastal lakes, swale. some timber cutting
integrating into

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD 3807-10-20, 10-21, 10-22; to 10-26 ←

PD 4123-9-25 → 32 Flown 2-18-93. Flown 11-17-88

PD 4123 10-24 → 10-33 Flown 2-18-93.

SOILS PHOTO # 17, 12 SOIL TYPE 2, 3, 6, 11, 26, 57

INITIAL GROUND SURVEY SUMMARY

EVALUATOR _____ DATE(S) _____

DESCRIPTION _____

NATURAL QUALITY _____

OVERALL EVALUATION N or P - dependent on ownership Orzell 11/93,
if further state ownership already, then a N;

STJO 025

Guana River

Aerial survey on 6-2-94.

South end: maritime hammocks with abundant live oak, Magnolia grandiflora, open understory.

- water and marsh E & W - peninsula
- slash pine on E side (mesic flatwoods), then salt marsh E of that
- numerous inland N-S depression marshes (some at S end are dry on this date)
- cabbage palm common along edge of marsh

Cooks Landing - mesic flatwoods to W, maritime hammock to E

N end: extensive inland marsh system

W side - large salt marshes with Juncus and Spartina bakeri

quality: * excellent landscape of many different natural communities

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY St. Johns # 26 CODE FL 5750 026
SITE NAME _____ QUAD/CODE Dinner Island NE 39081C
LOCATION T 95, R 30E, SECT. 19, 29, 30

POTENTIAL FEATURE Flatwoods? + some pine plantation, Floodplain Swamp

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD 3857-4-05 flown 11-17-88

PD 4123-11-04 Flown 2-18-93

SOILS PHOTO # 46 SOIL TYPE 9, 25, 5, 44, 36

INITIAL GROUND SURVEY SUMMARY

EVALUATOR _____ DATE(S) _____

DESCRIPTION _____

NATURAL QUALITY _____

OVERALL EVALUATION C-Orzell 11/93; C-GES 3/95

STJO 026

aerial survey on 6-2-94.

No data.

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY St. Johns # 27 CODE FL STD 439
SITE NAME Murat Point QUAD/CODE 8X Augustine Beach 2908173
LOCATION T 8S, R 30E, SECT. 20, 29, 32, 33, 42, 44, 46, 50

POTENTIAL FEATURE Good quality flatwoods, tidal estuarine marsh.
could have coastal sandy ridges

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PA 3807-11-07 11-08

12-08

Flown 11-7-88

PD 4123-11-09 → 11-10

Flown 2-18-93.

12-08 → 12-09

SOILS PHOTO # 38, 39, 43 SOIL TYPE 7, 11, 15, 16, 14, 23, 6

INITIAL GROUND SURVEY SUMMARY

EVALUATOR SD DATE(S) 3/93

DESCRIPTION Also scrub

NATURAL QUALITY

OVERALL EVALUATION P- Orzell 11/93 P-GES 3/95

Diverse site with many NC's.

STJO 27

Aerial survey on 6-2-94.

N end by US 1: sand pine scrub surrounding
scrap metal plant; very large / old sand pine
flying E: cross powerline, N end of Moses Creek,

- ✓ - more scrub with large sand pine throughout
- burned area just W of Intracoastal Waterway
in mesic flatwoods with slash pine
- large oaks in maritime hammock on W side
of salt marsh along intracoastal

Murat Point: extensive salt marsh and Moses Creek
divides PNA in N & S halves

- S side of creek: maritime hammock with
dense canopy of live oak, cedar

N side of SR 206: mesic flatwoods - large slash
pine and saw palmetto - fairly open understory

flying W: hydric hammock - Gordonia dominated

mesic flatwoods W of powerline

cypress strand swamp in N-S band just W of
fuel storage area

- scrubby flatwoods → grading into mesic flatwoods
- cypress basin swamp just N of SR 206 and S of
borrow pond on E side of residential area.

* maritime hammock continues S along W side of intracoastal
in narrow band 400-500' wide all of the way to
Pellicea Creek.

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY St. Johns # 28 CODE FL JTO 028SITE NAME _____ QUAD/CODE St Augustine Beach/2908173LOCATION T 8S, R 30E . SECT. 17, 18POTENTIAL FEATURE Same as #27. could have scrub on sect 17-40 line

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD 3807-11-10 Flown 11-7-88PD 4123-11-11 Flown 2-18-93SOILS PHOTO # 38 SOIL TYPE 3, 4, 7, 15, 6, 13, 15

INITIAL GROUND SURVEY SUMMARY

EVALUATOR _____ DATE(S) _____

DESCRIPTION _____

NATURAL QUALITY _____

OVERALL EVALUATION P? - Orzell 11/93; C-GES 3/95Surrounded by rapidly expanding residential development.

STJO 028

Aerial survey on 6-2-94.

NE corner: maritime hammocks by intracoastal and salt marsh - development with houses N & S.

flying W: mesic flatwoods with large pines, turning into sand pine scrub at N-S powerline,

- cypress strand swamp further W

- more scrub with mature sand pines ~ 30-40 years old, some open understory

W edge: hydric hammock - L. ordonia, red maple

- mesic flatwoods along US 1 - very large pines with Serenoa understory

✓ S end: dense scrub but some bare ground, large (by US 1) sand pine, occasional slash pine
- bisected by dirt roads

- residential development to S, N & E

- golf course to S

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY St. Johns # 29 CODE FL STD 429SITE NAME Fishers Island QUAD/CODE St Augustine Beach 2908173LOCATION T 7S , R 29E . SECT. 29 ,POTENTIAL FEATURE Maritime hammock ~~??~~, Mesic Flatwoods, Salt Marsh, Scrub
yacht club on North end.

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD 3857-11-13 Flown 11-7-88PD 4123-11-15 Flown 2-18-93.SOILS PHOTO # 29 SOIL TYPE 49, 57, 11, 45, 12

INITIAL GROUND SURVEY SUMMARY

EVALUATOR _____ DATE(S) _____

DESCRIPTION _____

NATURAL QUALITY _____

OVERALL EVALUATION C- Orzell 11/93; P-GES 3/95- some scrub

STJO 29

Aerial survey on 6-2-94.

N of SR 312: mesic flatwoods with large pines

- some houses and paved roads

✓ * heron rookery: 10+ nests in pine trees

- great blue & night herons

- borrow ponds and tower to E

✓ - scrubby to E: oak scrub with few sand pine

NE corner: Spartina bakeri marsh

S of SR 312

✓ E side - scrub with numerous low oaks,
few sand pine

- salt marsh in between sand pine ridges
(some slash pine also)

SW corner: large slash pine, open understory
mixed with maritime hammock - live oaks
- few houses

- salt marsh along W border by Matanzas River

* another small island to the S should be in
PNA boundary; maritime hammock

- trash dumping in center just S of SR 312

Appendix VI

PNA Forms For Areas Outside the TBSA in Flagler and St. Johns Counties. (Arranged alphabetically by county and then numerically within each county.)

Orzell completed this form
because site was nominated without a site
nomination form

location? GES

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY St. Johns # 30 CODE FL STJO 430

SITE NAME Cabbage Swamp QUAD/CODE _____

LOCATION T _____ R _____ SECT. _____

POTENTIAL FEATURE _____

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: _____

SOILS PHOTO # _____ SOIL TYPE _____

INITIAL GROUND SURVEY SUMMARY

EVALUATOR _____ DATE(S) _____

DESCRIPTION _____

NATURAL QUALITY _____

OVERALL EVALUATION Na C? - Orzell 11/93

#31

(SAME AS STJO #10)

ST JOHNS COUNTY

Conservation Priority Areas - Site Nomination Form

Please bring form to the workshop or send to Steve Orzell, Florida Natural Areas Inventory,
1018 Thomasville Road, Suite 200C, Tallahassee FL 32303

STJO 31

Form should be completed as much as possible. We encourage you to attach additional site information. The more documentation you provide on the resources of the site, the more likely the site will receive a full review.

Site name FLORA BRANCH

Proposer's name, address, phone number

SARAH BAILEY
2202 BISHOP ESTATES RD
JACKSONVILLE, FL

Same as STJO #10
See 10 for rankings
S. Orzell 11/93

Site code on map

County (ies) ST JOHNS

Approximate acreage (circle one) 1-100 101-1,000 1,001-3,000 3,001-10,000 10,000+

Date surveyed

Date site was proposed

Site location/directions to site (in addition, you may attach a map)

1/2 mile on BISHOP ESTATES ROAD from ST RD 13

T 4S R27E

TILLENIA ORCHIDS

Site natural resources description (include natural/plant communities and estimate percentage of site each occupies, if possible; list rare/endangered plants and animals and basis for identification; you are encouraged to attach additional information)

— GENERAL DEVELOPMENT (NOW ATLANTIC GULF) BIOLOGICAL SURVEY
FOR JULINGTON CREEK BIOLOGICAL CONSULTANT REPORTS

FLORA BRANCH HAS THE LARGEST HARDWOODS HE HAD SEEN.
— SERVES AS LARGE NATURAL DRAINAGE AREA —

— DEFINITELY HABITAT FOR PANTHER ROAMING
SEDUVAL & NW SSC (SEEN TWICE IN '92 BY

KNOWLEDGEABLE
— IF WE CAN GET RID OF SPEEDING BOATS THE AREA WAS FREQUENTED
BY MANY MANATEES — GRASSES CAN BE "BROUGHT BACK" IF PROTECTED —
Purpose or justification for protection and level of protection suggested (e.g., acquisition, conservation easement, low density zoning, best management practices, transfer of development rights)

ACQUISITION — BAILEYS WILL AGREE TO CONSERVATION
EASEMENT FOR 63 A. FARM —

NEEDS TO BE INCLUDED WITH PROPERTY SOUTH OF

DURBIN CREEK AS A CORRIDOR CONNECTION.

BARTRAM IXIA SCATTERED

ALREADY
YOUR AREA COLORED HAS BEAR GRASS IN UPLAND AREA,

ORCHIDS OF DISTINCTION, & CARDINAL FLOWER (ROBIN HAWK
OF DNR-STALG DISTRICT IV IDENTIFIED MANY
END. PLANTS) ALL OF THIS PROPERTY FOR
SALE BY ATLANTIC GULF

#32

C- GES 3/95 ST JOHN'S COUNTY
(Part of STJO 10)

Conservation Priority Areas - Site Nomination Form

Please bring form to the workshop or send to Steve Orzell, Florida Natural Areas Inventory,
1018 Thomasville Road, Suite 200C, Tallahassee FL 32303

STJO 32

Form should be completed as much as possible. We encourage you to attach additional site information. The more documentation you provide on the resources of the site, the more likely the site will receive a full review.

Site name TRIANGLE FORMED BY CUNNINGHAM CREEK AND MILL CREEK

Proposer's name, address, phone number

SARAH BAILEY

2202 BISITOP ESTATES RD.

JACKSONVILLE FL 32259

904 287 1763

Site code on map

County (ies) SJL

Approximate acreage (circle one) 1-100 101-1,000 1,001-3,000 3,001-10,000 10,000+

Date surveyed

Date site was proposed

Site location/directions to site (in addition, you may attach a map)

W OF ST RD 13 or WM BARTRAM HWY

T5S R27E SEC. 37 & 38

Site natural resources description (include natural/plant communities and estimate percentage of site each occupies, if possible; list rare/endangered plants and animals and basis for identification; you are encouraged to attach additional information)

SAND HILLS WITH EXCELLENT FRONTAGE TO RIVER

GOPHER TORT. HABITAT

EXCELLENT BUFFER TO PROTECT WATER QUALITY
FOR SALE BY ATLANTIC GULF. ZONED FOR DU'S -
ELEVATION HIGH IN DRAINAGE FROM DU'S WILL BE
HARMFUL

Purpose or justification for protection and level of protection suggested (e.g., acquisition, conservation easement, low density zoning, best management practices, transfer of development rights)

ACQUISITION NECESSARY - LOCAL CITIZENS
WILL GIVE SUPPORT TO PROTECT FROM DEVELOPMENT

HISTORIC SITE OF SPANISH DAM BUILT BY SPANARDS
(STETSON KENNERLY WILL VERIFY) + MILL

C-P? - Orzell 1993 based on handwritten notes

#32

Part of STJ0610

STC

Conservation Priority Areas - Site Nomination Form

Please bring form to the workshop or send to Steve Orzell, Florida Natural Areas Inventory,
1018 Thomasville Road, Suite 200C, Tallahassee FL 32303

STJ030

Form should be completed as much as possible. We encourage you to attach additional site information. The more documentation you provide on the resources of the site, the more likely the site will receive a full review.

Site name ?

Proposer's name, address, phone number

Bruce Ford

PO Box 367

Clay County

Site code on map #32 (additional support), See Sarah Bailey's proposal

County (ies) St. Johns

Approximate acreage (circle one) 1-100 101-1,000 1,001-3,000 3,001-10,000 10,000+

Date surveyed 9-93

Date site was proposed

Site location/directions to site (in addition, you may attach a map)

Peninsula West of SR.13 between Cunningham and Mills Creeks.

Site natural resources description (include natural/plant communities and estimate percentage of site each occupies, if possible; list rare/endangered plants and animals and basis for identification; you are encouraged to attach additional information)

Sandhills, hardwood swamp, oak hammock

Purpose or justification for protection and level of protection suggested (e.g., acquisition, conservation easement, low density zoning, best management practices, transfer of development rights)

Up for sale, surrounded by development

Remnant sandhill; excellent water quality buffer.

#33

(PART OF STJ0023)

STC

Conservation Priority Areas - Site Nomination Form

STJ033

Please bring form to the workshop or send to Steve Orzell, Florida Natural Areas Inventory,
1018 Thomasville Road, Suite 200C, Tallahassee FL 32303

Form should be completed as much as possible. We encourage you to attach additional site information. The more documentation you provide on the resources of the site, the more likely the site will receive a full review.

Site name STOKES LANDING - CAPO ISLAND SITE

Proposer's name, address, phone number

SARAH BAILEY
2202 BISHOP ESTATES RD
JACKSONVILLE FL 32259

Site code on map

County (ies) STC

Approximate acreage (circle one) 1-100 101-1,000 1,001- 3,000 3,001-10,000 10,000+

Date surveyed

Date site was proposed

Site location/directions to site (in addition, you may attach a map)

W. OF TOLAMATO RIVER
INCL. STOKES LANDING SOUTH THROUGH CAPO ISLAND
T55 & 65 R29E

Site natural resources description (include natural/plant communities and estimate percentage of site each occupies, if possible; list rare/endangered plants and animals and basis for identification; you are encouraged to attach additional information)

WETLANDS &
MARSH LAND

IDEAL FOR WATER QUALITY PROTECTION

GOOD FISHERY + JUVENILE HABITAT

POSSIBLE ROOKERY EXCELLENT BIRD HABITAT

Purpose or justification for protection and level of protection suggested (e.g., acquisition, conservation easement, low density zoning, best management practices, transfer of development rights)

ACQUISITION 2 CONS - EASEMENTS -

C- Orzell 11/93

34
(PART OF STJ0411) STC
Conservation Priority Areas - Site Nomination Form STJ0 34

Please bring form to the workshop or send to Steve Orzell, Florida Natural Areas Inventory, 1018 Thomasville Road, Suite 200C, Tallahassee FL 32303

Form should be completed as much as possible. We encourage you to attach additional site information. The more documentation you provide on the resources of the site, the more likely the site will receive a full review.

Site name HALLOWES COVE

Proposer's name, address, phone number

Support for Bruce Ford nomination
SARAH BAILEY
2202 BIRCH ESTATES RD
TALLAHASSEE, FL 32259 287 1763

Site code on map

County (ies)

Approximate acreage (circle one) 1-100 101-1,000 1,001- 3,000 3,001-10,000 10,000+

Date surveyed

Date site was proposed

Site location/directions to site (in addition, you may attach a map)

T5S R 26E

Site natural resources description (include natural/plant communities and estimate percentage of site each occupies, if possible; list rare/endangered plants and animals and basis for identification; you are encouraged to attach additional information)

DR DEMORT/VNF verified through CONTINUOUS STUDIES -
~~PAPER PUBLISHED BY MEAD JOHNSON/VNF STUDY~~
STWMD has good studies -
Excellent juvenile fishery, & manatee area
eel grasses

Would be ruined if STJoc paper allowed to develop -
ST comp plan not strong enough to protect well -

STEVE STATED BEST LONG-LEAF PINE IN COUNTY

Purpose or justification for protection and level of protection suggested (e.g., acquisition, conservation easement, low density zoning, best management practices, transfer of development rights)

acquisition or conservation easement -

?- Orzell needs to see aerial photos prior to ranking
11/93

#34

(PART OF STJ0011)

Conservation Priority Areas - Site Nomination Form

STJ034

Please bring form to the workshop or send to Steve Orzell, Florida Natural Areas Inventory,
1018 Thomasville Road, Suite 200C, Tallahassee FL 32303

Form should be completed as much as possible. We encourage you to attach additional site information. The more documentation you provide on the resources of the site, the more likely the site will receive a full review.

Site name *Hallows Cove*

Proposer's name, address, phone number

*Bruce Ford
11626 Tyndel Creek Dr.
Jax, FL 32223*

Site code on map # *34*

County (ies) *St. Johns*

Approximate acreage (circle one) 1-100 101-1,000 1,001- 3,000 3,001-10,000 10,000+

Date surveyed *5-93*

Date site was proposed *5-14-93*

Site location/directions to site (in addition, you may attach a map)

*East side of St. Johns several miles northeast of Green
Cove Springs*

Site natural resources description (include natural/plant communities and estimate percentage of site each occupies, if possible; list rare/endangered plants and animals and basis for identification; you are encouraged to attach additional information)

*Hallows Cove known as unusually important nursery area for
fisheries. Surrounded by hardwood swamp followed by mesic
flatwoods and xeric oak hammock!*

See Dr. Carol DeMott study (UNF)!

Identified by SJRWMD 1993, 5-year Plan for "Potential Acquisition".

Purpose or justification for protection and level of protection suggested (e.g., acquisition, conservation easement, low density zoning, best management practices, transfer of development rights)

*Buffer for water quality main goal. Proposed for
residential in pending DRI. Fee simple acquisition
or conservation easement.*

#35

(PART OF STJO004)

STJO County
C - GES 3/95

Conservation Priority Areas - Site Nomination Form

STJO 35

Please bring form to the workshop or send to Steve Orzell, Florida Natural Areas Inventory,
1018 Thomasville Road, Suite 200C, Tallahassee FL 32303

Form should be completed as much as possible. We encourage you to attach additional site information. The more documentation you provide on the resources of the site, the more likely the site will receive a full review.

Site name EXPANSION OF WMD DEEP CREEK PARCEL

Proposer's name, address, phone number

SARAH BAILEY
2202 BISHOP ESTATES RD
JACKSONVILLE FL 32259

Site code on map

County (ies) ST JOHNS

Approximate acreage (circle one) 1-100 101-1,000 1,001- 3,000 3,001-10,000 10,000+

Date surveyed

Date site was proposed

Site location/directions to site (in addition, you may attach a map)

T85 R27E/R28E

S of 214, E of CR13 adjoining WMD DEEP CREEK PROPERTY

Site natural resources description (include natural/plant communities and estimate percentage of site each occupies, if possible; list rare/endangered plants and animals and basis for identification; you are encouraged to attach additional information)

Water shed / McCallough Creek River front track with forested wetlands
Identified as priority focus area by pub. 5593-SP5 - Dec '92
Nassaw River & Lower SJ River Basins Ld Acq. study final report

Purpose or justification for protection and level of protection suggested (e.g., acquisition, conservation easement, low density zoning, best management practices, transfer of development rights)

acquisition and/or cons. easement

? - Orzell needs to check site on aerial photo

C - GES 3/95 - narrow floodplain swamp along creek

#36

(SAME AS STJO#27)

Conservation Priority Areas - Site Nomination Form

STJO36

Please bring form to the workshop or send to Steve Orzell, Florida Natural Areas Inventory, 1018 Thomasville Road, Suite 200C, Tallahassee FL 32303

Form should be completed as much as possible. We encourage you to attach additional site information. The more documentation you provide on the resources of the site, the more likely the site will receive a full review.

Site name *MOSES CREEK*

Proposer's name, address, phone number

SURAH BAILEY

2202 BISHOP EST RD

JACKSONVILLE

High citizen support

32259

Site code on map

County (ies)

Approximate acreage (circle one) 1-100 101-1,000 1,001-3,000 3,001-10,000 10,000+

Date surveyed

Date site was proposed

Site location/directions to site (in addition, you may attach a map)

#27 adjacent to #27

Site natural resources description (include natural/plant communities and estimate percentage of site each occupies, if possible; list rare/endangered plants and animals and basis for identification; you are encouraged to attach additional information)

- 19712 0000 scrub

- Moses Creek protection needed "all the way"

- ENCOMPASSES full range of communities along topo gradient

*- Only tidal creek in county w/out full development
Along both banks*

Purpose or justification for protection and level of protection suggested (e.g., acquisition, conservation easement, low density zoning, best management practices, transfer of development rights)

C-P? - Orzell 11/93 - connects to STJO #27 a "P" ranked site

P - GES 3/95

#37

ST JOHNS

Conservation Priority Areas - Site Nomination Form

STJ037

Please bring form to the workshop or send to Steve Orzell, Florida Natural Areas Inventory,
1018 Thomasville Road, Suite 200C, Tallahassee FL 32303

Form should be completed as much as possible. We encourage you to attach additional site information. The more documentation you provide on the resources of the site, the more likely the site will receive a full review.

Site name *FAVOR DYKES expansion*

Proposer's name, address, phone number

*SARAH BAILEY
2202 BISHOP ESTATES
JACKSONVILLE FL 32259
287 1763*

Site code on map

County (ies)

Approximate acreage (circle one) 1-100 101-1,000 1,001- 3,000 3,001-10,000 10,000+

Date surveyed

Date site was proposed

Site location/directions to site (in addition, you may attach a map)

T 9S R 30E

Site natural resources description (include natural/plant communities and estimate percentage of site each occupies, if possible; list rare/endangered plants and animals and basis for identification; you are encouraged to attach additional information)

*Identified by STRUMD as a potential parcel
(54riplan)*

Purpose or justification for protection and level of protection suggested (e.g., acquisition, conservation easement, low density zoning, best management practices, transfer of development rights)

potential acquisition -

? - S. Orzell needs to check aeriats to rank 11/93

? - location? GES 3/95

#38

(SAME AS STJO501)

ST County

Conservation Priority Areas - Site Nomination Form

STJO38

Please bring form to the workshop or send to Steve Orzell, Florida Natural Areas Inventory,
1018 Thomasville Road, Suite 200C, Tallahassee FL 32303

Form should be completed as much as possible. We encourage you to attach additional site information. The more documentation you provide on the resources of the site, the more likely the site will receive a full review.

Site name SIX MILE CREEK

Proposer's name, address, phone number

Site code on map

County (ies)

Approximate acreage (circle one) 1-100 101-1,000 1,001-3,000 3,001-10,000 10,000+

Date surveyed

Date site was proposed

Site location/directions to site (in addition, you may attach a map)

Site natural resources description (include natural/plant communities and estimate percentage of site each occupies, if possible; list rare/endangered plants and animals and basis for identification; you are encouraged to attach additional information)

SIX MILE CREEK PROTECTED WITHIN THE ST JOHN'S DRI
and remainder needs further protection - particularly
the horsehoe bend W. of protected portion -

Purpose or justification for protection and level of protection suggested (e.g., acquisition, conservation easement, low density zoning, best management practices, transfer of development rights)

- See STJO 005 same location

C - GES 3/95

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY St. Johns # 039 CODE FLSTJO 039

SITE NAME Picolata QUAD/CODE _____

LOCATION T 75 , R 27E . SECT. 3 , 37 , 38

POTENTIAL FEATURE Mesic Flatwoods, cut-over Hydric Hammock,
Floodplain Swamp

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD 4123-3-08 Flown: 2-23-93

SOILS PHOTO # _____ SOIL TYPE _____

INITIAL GROUND SURVEY SUMMARY

EVALUATOR _____ DATE(S) _____

DESCRIPTION _____

NATURAL QUALITY _____

OVERALL EVALUATION Some residences & cleared areas; CI GRK 94-04-14

C - GES 3/95

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY St. Johns # 41 CODE STJO041

SITE NAME Snowden Bay QUAD/CODE _____

LOCATION T 15S, R 28E .SECT. 12,13

29E 6,7,18-20,29

POTENTIAL FEATURE Basin Swamp., Scrub Ridges, Hydric Hammock, broken up by
Mesic Flatwoods and pine plantations.

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD 4123-8-29 to 8-32 Flown 2-19-93

SOILS PHOTO # _____ SOIL TYPE _____

INITIAL GROUND SURVEY SUMMARY

EVALUATOR _____ DATE(S) _____

DESCRIPTION _____

NATURAL QUALITY _____

OVERALL EVALUATION CI - GES 2-95

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY St. Johns # 43 CODE STJO043

SITE NAME Cabbage Swamp North QUAD/CODE _____

LOCATION T 5S, R 29E .SECT. .16 .62-63

Borders west side of Intracoastal Waterway.

POTENTIAL FEATURE Maritime Hammock, Tidal Marsh, Mesic Flatwoods

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: RD 4123-8-37 to 8-39 Flown 2-19-93

SOILS PHOTO # _____ SOIL TYPE _____

INITIAL GROUND SURVEY SUMMARY

EVALUATOR _____ DATE(S) _____

DESCRIPTION _____

NATURAL QUALITY _____

OVERALL EVALUATION P? GES 2-95

FLORIDA NATURAL FEATURES INVENTORY - INITIAL DATA FORM

COUNTY St. Johns # 44 CODE STJO44

SITE NAME Moultrie Creek QUAD/CODE _____

LOCATION T 8S, R 29E .SECT. 2, 11, 12, 37, 38

POTENTIAL FEATURE Scrub?, Tidal Marsh, Floodplain Swamp

SOURCES: MAP, AERIAL PHOTO, PERS. COMM., OTHER

Photo: PD 4123-10-14

Flown 2-18-93

SOILS PHOTO # _____ SOIL TYPE _____

INITIAL GROUND SURVEY SUMMARY

EVALUATOR _____ DATE(S) _____

DESCRIPTION _____

NATURAL QUALITY _____

OVERALL EVALUATION C - GES 2/95

small site

-surrounded by residential development

FLORIDA NATURAL AREAS INVENTORY - June 1993

Brief explanation sheet to help in filling out Element Occurrence Records - You should already be familiar with the full explanation in the Operations Manual (OPS). Refer to the Manual for full details.

The fields with next to them indicate fields that are automatically filled in when the appropriate code is entered in the computer. Please fill in the **NAME** field regardless, and **SITENAME** and **MANAME** where appropriate. This will help avoid code transcription errors. The sitecodes and macodes will be filled in upon entering the EOR unless you just happen to know them. Fields with an * by them indicate changes or new fields.

IDENTIFIERS

EOCODE: unique alpha-numeric code for each element occurrence
IDENT: Y or N or ? --has identity of element at this location been confirmed by reliable source or is ID uncertain or disputed? Leave blank if ID has not been checked as may be the case with many secondary source reports.
NAME: scientific name
COMNAME: common name of element, standardized for Florida
GRANK: global element rank (priority) assigned by program having responsibility for element
SRANK: state element rank (priority) assigned by FNAI staff

LOCATORS

SITECODE: a code assigned by FNAI for the conservation site where the occurrence in this record is located.
SITENAME: site name assigned during field work or name commonly associated with the site; linked to site data base by above unique sitecode. **A corresponding site record must exist for the site. If there is not a corresponding site record and you want the ability to track this site for site tracking purposes, fill out a site basic record**
SURVEYSITE: if a site basic record has not been completed and you do not see the need for one yet, then enter the name of the survey site assigned during field work or commonly associated with the site
PRECISION: level of precision to which occurrence can be located on the quad map--S=seconds (within ca. 250 ft. radius); M=minutes (within ca. 3/4 mi. radius); SC=confirmed S location; SO or MO=obscure S or M location, EO looked for but not found at mapped location; G=general, to quad or place name; U=unmappable.
COUNTYCODE: the two-letter abbreviation for the state, followed by first four letters of all county names; centroid/major county first
QUADNAME: complete USGS names of all USGS 7.5 minute quads this EO is on, centroid quad first
QUADCODE: centroid/major quad code first, then any additional quads that the EO covers partly or fully
MARGINUM: the number of this occurrence in the margin of the USGS 7.5 minute quad map on which it is located, FNAI staff use only
TENTEN: coordinates for an element locator grid system on USGS 7.5 minute quad maps
LAT: latitude of centroid of element occurrence
LONG: longitude of centroid of element occurrence
S: southernmost latitude for boundaries of the occurrence
N: northernmost latitude for boundaries of the occurrence
E: easternmost longitude for boundaries of the occurrence
W: westernmost longitude for boundaries of the occurrence
MERIDIAN: Tallahassee (TA) meridian for Florida
***TOWNRANGE:** township-range that EO is in (e.g. 036S034E), centroid first (associated multivalued fields)
***SECTION:** section that EO is in, centroid first (e.g., 1,3,5-9,15)
***TRSNOTE:** township, range, section information not covered by other fields, such as quarter-quarter section (e.g. NE4NE4), centroid first
DIRECTIONS: how to get to EO from readily identifiable landmarks
PHYSPROV: physiographic province of EO, standardized for state
WATERSHED: standardized code for centroid from USGS basins

STATUS

SURVEYDATE: date of the last (ie. most recent) field survey. If the element occurrence was found, then you should also update the LASTOBS field. If EO was not found, then you need only update this field [YYYY-MM-DD; YYYY-MM; or YYYY-AAAAA (e.g. 1965-Sprg = Spring 1965; 1979-80Wtr = Winter 1979-80; 1930-Pre = before 1930)
LASTOBS: date element last observed at this site (same format as above)
***FIRSTOBS:** date element was first reported from this site
EORANK: quality of this occurrence--A=excellent, B=good, C=marginal, D=poor, X=destroyed, H=historical, O=obscure, E=extant, I=introduced (use only as a qualifier of the ranks above). A slash may be added to a 2 or 3-letter code combination making a 3 or 4-character code (e.g. A/B or A/BI).
EORANKDATE: date (YY-MM-DD) of the field survey on which the EORANK is based. This need not be the same as the SURVEYDATE; EORANKDATE may be based on an earlier observation of the EO

STATUS (continued)

made during a field survey prior to the most recent survey (SURVEYDATE).
EORANKCOM: comments to support EORANK
EODATA: description of element at site, e.g., numbers, size, condition, viability
CONTACT: full name of individual monitoring or willing to check on this element occurrence
CONTACTNUM: area code and phone number of CONTACT

DESCRIPTION

EOTYPE: choices (popup field in computer) = Bachelor Colony - bats; Breeding Site - migratory animals; Communal Use Site - nonbreeding eagles; Feeding Area - migratory animals; Hibernaculum - bats; Migratory Concentration Site - migratory birds; Nursery Colony - bats; Roosting Area - migratory animals; Staging Area - Migratory animals.
GENDESC: general description of the setting for the EO. For plant and animal elements, cite the communities at the EO location. Also, when known, include info on surrounding land use.
***MINELEV:** minimum elevation of the area covered by the EO measured in feet, above or below sea level. If the EO is located on flat terrain, then enter the uniform elevation in this field and leave the MAXELEV field blank.
***MAXELEV:** maximum elevation covered by the EO measured in feet, above or below sea level
SIZE: size in acres of EO; 0 means acreage is unknown

PROTECTION

MACODE: if the EO occurs within one or more managed areas (MA), then a unique identifying code for each managed area is assigned by the computer. A corresponding managed area record must exist for each managed area code.
MANAME: name(s) of the managed area (s) the EO occurs in. If a MA is located within a larger MA indicate both managed areas. The order makes no difference. A managed area nested within a larger managed area is also tracked by the MAJORMA field in the MA basic record (see OPS manual for more details)
CONTAINED: whether the EO is wholly contained in the corresponding managed area (Y = yes; N = no; ? = disputed or uncertain or if EO boundaries have not yet been mapped; leave blank if no info available)
MORELAND: whether more land is needed to protect the EO (Y = yes; N = no; ? = disputed or uncertain; leave blank if no info available)
MOREPROT: whether the EO needs more legal protection on the MA(s) it occurs on (Y = yes; N = no; ? = disputed or uncertain; leave blank if no info available)
MOREMGMT: whether more or better management is needed to protect the EO (Y = yes; N = no; ? = disputed or uncertain; leave blank if no info available)
PROTCOM: comments on new or additional legal protection needed for EO
MGMTCOM: comments on new or additional management needed for EO

OWNERSHIP

OWNER: name of principal owner of principal tract
OWNERINFO: Y or N if/if no additional information on the owner is in GMF
OWNERCOM: comments about owner: address, intentions for land, etc.

GENERAL COMMENTS

COMMENTS: general information not included in other fields

DOCUMENTATION and MAINTENANCE

DATASENS: Y in this field if this occurrence is of an element for which locational information should not be given out to general users for various reasons; leave blank otherwise.
BOUNDARIES: Y if boundaries of EO are on quad map or other map attached to EOR
PHOTOS: Y if photos of this EO are in files
***SPECIMENS:** enter citation(s) only for old specimens or other vouchers for this EO. Do not use to curate all herbarium/museum specimens for the EO. Citations should be listed according to the following format: Collector (Coll. #). Year collected. Acquisition #. Collection code.
 Example: Jones, R.S. and L.B. Smith (1023). 1973. #34124. GH.
***BESTSOURCE:** the single best source of information on this EO, preferably a person. Do not list specimens in the BESTSOURCE field unless it's the only source. List the collector as the bestsource, if living; specimens may be entered in the SPECIMENS field.
SOURCECODE: standardized code for all sources dealing with this EO; best source code first
TRANSCRIBR: initials of person and date of transcription--processing of data for the EOR in preparation for mapping (YY-MM-DD AAA)
MAPPER: initials of person and date EO is plotted onto data base quad maps and map based information entered onto EOR (YY-MM-DD AAA)
CDREV: Y if county of distribution map has been revised to show this EO
QC2: Y if EOR has been completely quality controlled
UPDATE: initials of person & date of most recent change in computerized EOR (automatically filled in)

Element Occurrence Record
BASIN SWAMP

Identifiers:

Elcode EO# State:
L CODE: CPK0000000*006*FL FONUM: IDENT: Y
SNAME: BASIN SWAMP
SCOMNAME:
ELEMENT RANKS: GRANK: G4? NRANK: SRANK: S3

Locators:

NATION: US SITECODE: S.USFLHP*6142
SITENAME: BIMINI SOUTH SWAMP
SURVEYSITE: PNAFLFLAG008

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLFLAG Flagler

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
BUNNELL 2908143 8 2,3
ST. JOHNS PARK 2908144 23 10,4

LAT: 292800N S: N
LONG: 0812108W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

T RANGE: SECTION: MERIDIAN: TRSNOTE:
012S029E 14 TA

DIRECTIONS: From US 1 in Bunnell, go W on SR 100 ca. 3 miles. Continue W on CR 302 and go 2.2 miles. EO is on S side of road.

PHYSPROV: WATERSHED:
AL 03080103

Status:

SURVEYDATE: 1994-07-05 LASTOBS: 1994-07-05 FIRSTOBS: 1994-07-05
EORANK: B EORANKDATE: 1994-07-05
EORANKCOM: No large Taxodium but numerous stumps.

EODATA: Basin swamp ca. 2000+' wide and 9000' long. High diversity in 100% cover of tree canopy. Visual estimates of dominant species were: canopy- Nyssa biflora (50% cover, 18-24" DBH, 40-50' tall), Acer rubrum (30%), Magnolia virginiana (10%), Fraxinus sp. (10%), Taxodium ascendens (5%, ≤12" DBH), Quercus laurifolia (5%), Ulmus americana (5%), and Pinus elliotii (5%); subcanopy- Acer rubrum and Sabal palmetto; groundcover- Saururus cernuus (65%), Blechnum serrulatum (20%), Dryopteris ludoviciana, Boehmeria cylindrica, Canna flaccida; and vine- Toxicodendron radicans. Canopy at SW end of site (E of CR 305) more open- appeared to have been disturbed by high winds as tops of some trees broken off. The swamp west of CR 305 was in good condition but divided into small compartments by high dikes with grassy roads on top. These dikes were formed by digging canals on both

sides. Canals also crossed under the county roads. No standing water by CR 302 on 7-5-94; ordinary high water estimated to be ≤ 24 ".

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

EOTYPE:

GENDESC: Agricultural fields surround swamp. Feral hog rooting had disturbed the ground in many areas of the swamp. SW end of swamp divided by grassy roads on high dikes in sparsely settled Daytona North Subdivision.

MINELEV: 20 MAXELEV: SIZE: 585

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER: OWNERINFO:

OWNERCOM:

General Comments:

COMMENTS: Size includes 115 acres within the Daytona North subdivision. Aerial photo: FDOT PD4116-05-14; flown 2-18-93.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS: Y

BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904) 462-2144.

SOURCECODE: CITATION:

PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-07-05: INDEFINITE BOUNDARY.

DIG.DATES:

TRANSCRIBR: 94-07-05 GES CDREV: Y

MAPPER: 94-12-02 MLE QC: Y

Record Maintenance:

LEADRESP:

EDITION:

EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-13	37
USFLHP	VVG	95-01-06	33
USFLHP	VVG	95-01-06	7/9/11/13/15/16/17/18/20/2
USFLHP	VVG	95-01-06	COPY

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION: 75D

EOR.OPT7:

NC.FIELDS:
75D

NC.VALUES:

NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-07-05: INDEFINITE BOUNDARY.

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP:

STRATA:

COLL/PHOTO#:

Element Occurrence Record
BASIN MARSH

Identifiers:

Elcode EO# State:
E_CODE: CPL0000000*011*FL FONUM: IDENT: Y
SNAME: BASIN MARSH
SCOMNAME:
ELEMENT RANKS: GRANK: G? NRANK: SRANK: S4?

Locators:

NATION: US SITECODE: S.USFLHP*6146
SITENAME: BLACK BRANCH
SURVEYSITE: PNAFLFLAG015; LITTLE BLACK BRANCH

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLFLAG Flagler

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
BUNNELL 2908143 10 8,6

LAT: 292555N S: N
LONG: 0811652W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

TOWNRANGE: SECTION: MERIDIAN: TRSNOTE:
C 030E 28 TA Center

DIRECTIONS: From US 1 in Bunnell, go SW on SR 11 ca. 2.7 miles to FP&L
power transmission line. Walk SE ca. 1000' to W end of EO.

PHYS PROV: WATERSHED:
AL 03080103

Status:

SURVEYDATE: 1994-07-07 LASTOBS: 1994-07-07 FIRSTOBS: 1994-07-07
EORANK: B EORANKDATE: 1994-07-07
EORANKCOM: Natural sawgrass marsh surrounded by planted pines.

EODATA: Basin marsh covering ca. 10 acres and dominated by dense ≤6'
tall Cladium jamaicense. Other common species were:
Sagittaria lancifolia, Woodwardia virginica, Eriocaulon
decangulare, Panicum hemitomon, Dichromena latifolia,
Teucrium canadense, Polygala ramosa, Sabatia dodecandra,
Pluchea rosea, and Juncus sp. Widely scattered young Acer
rubrum and Pinus elliotii dotted the marsh.

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

EC TYPE:
G ESC: The surrounding Pinus elliotii flatwoods appeared to have
been site prepped as low ridge and furrows were evident and
very little natural groundcover (including Aristida stricta)

was observed. The even age pines were 6-10" DBH and 20-30' tall. Light cattle grazing and numerous cattle paths were present around the marsh.

MINELEV: 15 MAXELEV: SIZE: 10

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER: OWNERINFO:
OWNERCOM:

General Comments:

COMMENTS: Aerial photo: FDOT PD4116-8-12; flown 2-18-93.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS: Y
BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904)
462-2144.

SOURCECODE: CITATION:
PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY
DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-07-07: INDEFINITE BOUNDARY.

DIG.DATES:

TRANSCRIBR: 94-07-07 GES CDREV: Y
MAPPER: 94-12-05 MLE QC: Y

Record Maintenance:

LEADRESP:
EDITION: EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-12	37
USFLHP	VVG	95-01-09	7/11/13/15/16/17/20/21/33/
USFLHP	VVG	95-01-09	COPY

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS:

NC.VALUES:

NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PND SCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-07-07: INDEFINITE BOUNDARY.

DIG.DATES:

OPT16:

EOR.OPT17:

PLANT.SPP:

STRATA:

COLL/PHOTO#:

Element Occurrence Record
BASIN SWAMP

Identifiers:

Elcode EO# State:
CODE: CPK0000000*035*FL FONUM: IDENT: Y
SNAME: BASIN SWAMP
SCOMNAME:
ELEMENT RANKS: GRANK: G4? NRANK: SRANK: S3

Locators:

NATION: US SITECODE: S.USFLHP*6146
SITENAME: BLACK BRANCH
SURVEYSITE: PNAFLFLAG014; BLACK BRANCH SWAMP

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLFLAG Flagler

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
FLAGLER BEACH WEST 2908142 26 2,3

LAT: 292754N S: N
LONG: 0811348W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

TOWNRANGE: SECTION: MERIDIAN: TRSNOTE:

03030E 13 TA
012S031E 19 TA

DIRECTIONS: From US 1 in Bunnell, go E on SR 100 ca. 2.5 miles to Belle Terre Blvd. Turn S and go ca. 1 mi. Turn W on Zaun Trail and continue as it turns N through a subdivision with few houses. Turn W on fifth cul-de-sac. Park here and walk W 100' to EO.

PHYS PROV: WATERSHED:
AL 03080201

Status:

SURVEYDATE: 1994-07-07 LASTOBS: 1994-07-07 FIRSTOBS: 1994-07-07
EORANK: B EORANKDATE: 1994-07-07
EORANKCOM: Many Taxodium and very few stumps.

EODATA: Mature basin swamp with closed canopy. Visual estimates of dominant species were: canopy - Taxodium ascendens (80% cover, 16-24" DBH, 50' tall) and Acer rubrum (20%); shrub - Lyonia lucida (10%); groundcover - Osmunda cinnamomea (10%) and Peltandra sp. (10%). No standing water on 7-7-94 (water was present in a lower area 0.5 mi S).

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

EOTYPE:

GENDESC: A cutover mesic flatwoods peninsula separated this area from the main swamp to the W. A 0.25 mile wide area was recently heavily cut just E of US 1. A residential subdivision (part of Palm Coast development) surrounds the swamp on the E and S sides.

MINELEV: 20 MAXELEV: SIZE: 420

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER: OWNERINFO:
OWNERCOM:

General Comments:

COMMENTS: Aerial photo: FDOT PD4116-09-14; flown 2-18-93.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS: Y
BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904)
462-2144.

SOURCECODE: CITATION:
PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY
DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-07-07: INDEFINITE BOUNDARY.

DIG.DATES:

TRANSCRIBR: 94-07-07 GES CDREV: Y
MAPPER: 94-12-14 MLE QC: Y

Record Maintenance:

LEADRESP:
EDITION: EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-12	37
USFLHP	VVG	95-01-09	7/11/15/16/17/18/19/20/21/
USFLHP	VVG	95-01-09	COPY

MANUAL.FILE.NOTE:

Optional Fields:

(RD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS:

NC.VALUES:

NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-07-07: INDEFINITE BOUNDARY.

I DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP:

STRATA:

COLL/PHOTO#:

Protection:

MACODE:

MANAME:

MATYPE: CONTAINED:

ELAND:

MOREPROT:

MOREMGMT:

TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER:

OWNERINFO:

OWNERCOM:

General Comments:

COMMENTS: Aerial photos: FDOT PD4116-6-13, 7-12, 7-13, 7A-03, 8-11 to 8-13, and 9-14; flown 2-18-93.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS:

BOUNDARIES: Y

PHOTOS: Y

BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904) 462-2144.

SOURCECODE: CITATION:

PND SCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PND SCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-07-06: INDEFINITE BOUNDARY.

DIG.DATES:

TRANSCRIBR: 94-07-06 GES CDREV: Y

MAPPER: 94-12-05 MLE QC: Y

Record Maintenance:

LEADRESP:

EDITION:

EDAUTHOR:

Maintenance History:

OFFICE: INITIALS: CHANGE.DATE: CHANGE.FIELDS:

USFLHP VVG 95-01-12 37

USFLHP VVG 95-01-09 7/9/11/13/15/16/17/18/19/2

USFLHP VVG 95-01-09 COPY

MANUAL.FILE.NOTE:

Optional Fields:

C.D.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS:

NC.VALUES:

NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PND SCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-07-06: INDEFINITE BOUNDARY.

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP:

STRATA:

COLL/PHOTO#:

Element Occurrence Record
HELIANTHUS CARNOSUS

Identifiers:

Elcode EO# State:
LCODE: PDAST4N0A0*001*FL FONUM: IDENT: Y
SNAME: HELIANTHUS CARNOSUS
SCOMNAME: LAKE-SIDE SUNFLOWER
ELEMENT RANKS: GRANK: G1G2 NRANK: SRANK: S1S2

Locators:

NATION: US SITECODE: S.USFLHP*6146
SITENAME: BLACK BRANCH
SURVEYSITE:

PRECISION: M

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLFLAG Flagler

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
BUNNELL 2908143 2

LAT: 292801N S: 0
LONG: 0811826W N: 0
E: 0
W: 0

COORD.COM:

TOWNRANGE: SECTION: MERIDIAN: TRSNOTE:
0 3030E 18 TA

DIRECTIONS: FROM BUNNELL, PROCEED 3 MI W ON SR 20. VICINITY OF BLACK
POINT SWAMP.

PHYSPROV: WATERSHED:
AL 03080103

Status:

SURVEYDATE: LASTOBS: 1961-07-26 FIRSTOBS:
EORANK: EORANKDATE:
EORANKCOM:

EODATA: IN FLOWER

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

EOTYPE:
GENDESC: PINE FLATWOODS

MINELEV: 15 MAXELEV: SIZE: 0

Protection:

M CODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER:

OWNERINFO:

OWNERCOM:

General Comments:

COMMENTS: MAPPED FOR LOCALITY ONLY

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS: 75D

Documentation:

DATASENS:

BOUNDARIES:

PHOTOS:

BESTSOURCE: GODFREY, R.K. (61156B) & G.W. REINERT. 26 JULY 1961.
SPECIMEN #66818-22 FS.

SOURCECODE: CITATION:

S61GODFSFLUS

SPECIMENS:

CONTRACT:

DIG.METHOD:

DIG.COM:

DIG.DATES:

TRANSCRIBR: 82-12-21 STC CDREV: Y

MAPPER: 82-12-29 STC QC: Y

Record Maintenance:

LEADRESP:

EDITION:

EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-31	4/7/15/16
USFLHP	JA	94-08-10	89
USFLHP	LTT	83-02-28	ALL

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM:

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT:

ECOREGION: 75D

EOR.OPT7:

NC.FIELDS:
75D

NC.VALUES:

NC.VALUE.COM:

OR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM:

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP:

STRATA:

COLL/PHOTO#:

Element Occurrence Record
BASIN SWAMP

Identifiers:

Elcode EO# State:
CODE: CPK0000000*026*FL FONUM: IDENT: Y
SNAME: BASIN SWAMP
SCOMNAME:
ELEMENT RANKS: GRANK: G4? NRANK: SRANK: S3

Locators:

NATION: US SITECODE: S.USFLHP*6141
SITENAME: DINNER ISLAND BIG CYPRESS SWAMP
SURVEYSITE: PNAFLFLAG004; PNAFLFLAG003; BIG CYPRESS SWAMP

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLFLAG Flagler

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
DINNER ISLAND 2908154 4 8,9
ST. JOHNS PARK 2908144 24 10,1

LAT: 293102N S: N
LONG: 0812429W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

INRANGE: SECTION: MERIDIAN: TRSNOTE:
011S029E 30 TA
010S029E 31 TA

DIRECTIONS: From US 1 in Bunnell, go W on SR 100 ca. 10 miles to CR 2005. Continue W ca. 0.25 miles (crossing the bridge over White Oak Branch) and turn N on gated dirt road. Proceed N ca. 2 miles to four-way intersection. Turn E and go SE ca. 0.6 mile. Turn E and go 0.1 mile to where the road is blocked by a dirt pile and ditch. Park here and walk NE ca. 1 mile to the end of the logging road. EO is ca. 0.1 mile to the E beyond the cutover area.

PHYSPROV: WATERSHED:
AL 03080103

Status:

SURVEYDATE: 1994-07-14 LASTOBS: 1994-07-14 FIRSTOBS: 1994-07-14
EORANK: A-B EORANKDATE: 1994-07-14
EORANKCOM: Large basin swamp with good diversity. Some old stumps.

EODATA: High diversity in canopy of 100% cover. Visual estimates of dominant species in Section 30 E1/2 were: canopy- Nyssa biflora (50% cover, 10-16" DBH, 40-50' tall), Taxodium ascendens (20%, ≤16" DBH), Acer rubrum (10%), Magnolia virginiana (10%), Quercus laurifolia (5%), Liquidambar styraciflua (5%), and Pinus elliottii (5%); subcanopy- Acer rubrum, Nyssa biflora, Ilex cassine, and Persea palustris; understory- Lyonia lucida (50%, 3-8') and Myrica cerifera

(5%); groundcover- Sphagnum sp. (10%) and Blechnum serrulatum (5%); and vine- Toxicodendron radicans. Old Taxodium stumps were occasionally seen 24+" in diameter. Most trees ≤12" DBH. Muck soil saturated but no standing water on 7-14-94; ordinary high water ≤18".

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

EOTYPE:

GENDESC: Basin swamp covering more than 6 square miles. Some of the drier areas around the swamp edges were logged for pine timber in 1991; a few pine seed trees were left. Surrounding land use was mainly planted pine (cleared agricultural fields were to the S).

MINELEV: MAXELEV: 20 SIZE: 4300

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER: OWNERINFO:
OWNERCOM:

General Comments:

COMMENTS: Aerial photo: FDOT PD 4116-4-17; flown 2-19-93. Mr. Don Champion (consulting forester) has managed timber on Peterson tract for many years (904-964-8931 work; 904-473-3096 home).

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS: Y
BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904) 462-2144.

SOURCECODE: CITATION:
PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY
DIG.METHOD: ARC/INFO

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-07-14: INDEFINITE BOUNDARY.

DIG.DATES: 95-03-10 MRR
TRANSCRIBER: 94-07-14 GES CDREV: Y
MAPPER: 94-12-05 MLE QC: Y

Record Maintenance:

LEADRESP:

EDITION:

EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-13	7/37
USFLHP	VVG	95-01-06	51
USFLHP	VVG	95-01-06	9/11/13/14/15/16/17/18/19/
USFLHP	VVG	95-01-06	COPY

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

EOR.OPT5:

EOR.OPT7:

NC.FIELDS:

NC.VALUES:

NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD: ARC/INFO

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-07-14: INDEFINITE BOUNDARY.

DIG.DATES: 95-03-10 MRR

EOR.OPT16:

EOR.OPT17:

PLANT.SPP:

STRATA:

COLL/PHOTO#:

Element Occurrence Record
BASIN SWAMP

Identifiers:

Elcode EO# State:
CODE: CPK0000000*027*FL FONUM: IDENT: Y
SNAME: BASIN SWAMP
SCOMNAME:
ELEMENT RANKS: GRANK: G4? NRANK: SRANK: S3

Locators:

NATION: US SITECODE: S.USFLHP*6141
SITENAME: DINNER ISLAND BIG CYPRESS SWAMP
SURVEYSITE: PNAFLFLAG004; PNAFLFLAG003; TURKEY ISLAND SWAMP

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLFLAG Flagler

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
DINNER ISLAND 2908154 5 8,1
SPUDS 2908164 11 9,10

LAT: 293654N S: N
LONG: 0812412W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

NRANGE: SECTION: MERIDIAN: TRSNOTE:
010S029E 20 TA
011S029E 5 TA

DIRECTIONS: From SR 207 in Hastings, go SE on CR 13 ca. 7.5 miles to Gopher Ridge Fire Tower on E side of road. Check in with employees at Champion International office. Continue SE ca. 1.9 mi to where the road curves E. Turn S on graded dirt road (gate locked by Champion). Proceed S and SW ca. 3.2 miles to first road crossing canal on E side of road. Turn E for 100' and then NE on jeep trail paralleling E side of canal. Veer E when trail forks after 600' and go to end (ca. 0.7 mi). Park here and walk E through ditch into the EO.

PHYS PROV: WATERSHED:
AL 03080103

Status:

SURVEYDATE: 1994-09-30 LASTOBS: 1994-09-30 FIRSTOBS: 1994-09-30
EORANK: B EORANKDATE: 1994-09-30
EORANKCOM: Large basin swamp with some disturbance around edges. Deep canal along W edge of swamp appeared to have lowered water table.

EODATA: Moderate diversity in canopy of 100% cover. Visual estimates of dominant species in Section 20 N1/2SW1/4 were: canopy-Taxodium ascendens (60%, ≤14" DBH, 60' tall), Nyssa biflora (20%, ≤13", 50'), Acer rubrum (10%, ≤8", 50'), Magnolia virginiana (5%, ≤8", 50'), Pinus elliottii (1%, ≤12");

subcanopy- Ilex cassine (10%, ≤8", 20-40'), Myrica cerifera (5%, 10-15'), Persea palustris (5%, 20-35'), and Nyssa biflora (5%, 10-30'); understory- Lyonia lucida (60%, 6-10'); and groundcover- Woodwardia virginica (50%) and Sphagnum sp. (5%). No stumps were observed at this location. Soil saturated with standing water 2-3" deep covering 10% of the ground on 1994-09-30.

CONTACTID:
CONTACT.NOTE:

CONTACT.NAME:

Description:

EOTYPE:

GENDESC: Basin swamp covering several square miles. The area to W of described site appeared to have been logged in recent times as the canopy was very open with scattered individuals of Taxodium and Pinus persisting. Deep canal along W edge of swamp appeared to have lowered water table. Pine plantations with some areas of clearcutting dominated the surrounding area.

MINELEV:

MAXELEV: 25

SIZE: 2200

Protection:

MACODE:

MANAME:

MATYPE: CONTAINED:

MORELAND:

MOREPROT:

MOREMGMT:

TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER:

OWNERINFO:

OWNERCOM:

General Comments:

COMMENTS: Aerial photos: FDOT PD 4116-4-23 to 4-26 and 5-23 to 5-24; flown 2-19-93.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS:

BOUNDARIES: Y

PHOTOS: Y

BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904) 462-2144.

SOURCECODE: CITATION:

PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY

DIG.METHOD: ARC/INFO

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-09-30: INDEFINITE BOUNDARY.

DIG.DATES: 95-03-10 MRR
UNSCRIBR: 94-09-30 GES CDREV: Y
PPER: 94-12-05 MLE QC: Y

Record Maintenance:

LEADRESP:

EDITION:

EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-13	7/37
USFLHP	VVG	95-01-06	9/11/13/15/16/17/18/19/20/
USFLHP	VVG	95-01-06	COPY

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

REGION:

EOR.OPT7:

NC.FIELDS:

NC.VALUES:

NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD: ARC/INFO

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-09-30: INDEFINITE BOUNDARY.

DIG.DATES: 95-03-10 MRR

EOR.OPT16:

EOR.OPT17:

PLANT.SPP:

STRATA:

COLL/PHOTO#:

Element Occurrence Record
MESIC FLATWOODS

Identifiers:

Elcode EO# State:
CODE: CTE0000000*164*FL FONUM: IDENT: Y
SNAME: MESIC FLATWOODS
SCOMNAME:
ELEMENT RANKS: GRANK: G? NRANK: SRANK: S4

Locators:

NATION: US SITECODE: S.USFLHP*6150
SITENAME: EAGLE ROCK RANCH
SURVEYSITE: PNAFLFLAG022

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLFLAG Flagler

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
FLAGLER BEACH WEST 2908142 29 7,9

LAT: 292355N S: N
LONG: 0811010W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

TOWNRANGE: SECTION: MERIDIAN: TRSNOTE:
S031E 3, TA

DIRECTIONS: From SR 100 in Bunnell, go S on US 1 ca. 5 miles to Korona.
Turn E on Old Dixie Highway and go 1.8 miles to power
transmission line. Turn S on gated limerock road; EO is on
the W side of this road.

PHYS PROV: WATERSHED:
AL 03080201

Status:

SURVEYDATE: 1994-07-08 LASTOBS: 1994-07-08 FIRSTOBS: 1994-07-08
EORANK: C EORANKDATE: 1994-07-08
EORANKCOM: Area overgrown and drained by canals.

EODATA: Mesic flatwoods in fair condition. Visual estimates of
dominant species were: Pinus elliottii of various ages
(50-90% cover, ≤15" DBH, 30-50' tall), Serenoa repens (50-
100%, 3-5'), and Ilex glabra (10%). Little open ground for
herbaceous species. Some pines had old trunk scars from
turpentine collecting. Intermixed with areas of mesic
hammock and dome swamps (often dry and invaded by young
Pinus elliottii).

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

EOTYPE:

GENDESC: Residential development on N, E and S sides. New golf course
to the E. PNA bounded by US 1 on the W.

MINELEV: 25 MAXELEV: SIZE: 240

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM: Needs to be burned regularly.

PROTCOM:

Ownership:

OWNER: OWNERINFO:

OWNERCOM:

General Comments:

COMMENTS: Aerial photo: FDOT PD4116-11-10; flown 2-18-93.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS: Y

BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904)
462-2144.

SOURCECODE: CITATION:

PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-07-08: INDEFINITE BOUNDARY.

DIG.DATES:

TRANSCRIBR: 94-07-08 GES CDREV: Y

MAPPER: 94-12-14 MLE QC: Y

Record Maintenance:

LEADRESP:

EDITION: EDAUTHOR:

Maintenance History:

OFFICE: INITIALS: CHANGE.DATE: CHANGE.FIELDS:

USFLHP VVG 95-01-12 37

USFLHP VVG 95-01-09 7/11/15/16/17/20/21/33/34/

USFLHP VVG 95-01-09 COPY

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS:

NC.VALUES:

NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-07-08: INDEFINITE BOUNDARY.

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP:

STRATA:

COLL/PHOTO#:

Element Occurrence Record
BASIN SWAMP

Identifiers:

Elcode EO# State:
CODE: CPK0000000*028*FL FONUM: IDENT: Y
SNAME: BASIN SWAMP
SCOMNAME:
ELEMENT RANKS: GRANK: G4? NRANK: SRANK: S3

Locators:

NATION: US SITECODE: S.USFLHP*6144
SITENAME: ESPANOLA CEMETERY
SURVEYSITE: PNAFLFLAG011; ESPANOLA CEMETERY BASIN SWAMP

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLFLAG Flagler

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
BUNNELL 2908143 11 3,2

LAT: 292853N S: N
LONG: 0812038W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

TOWNRANGE: SECTION: MERIDIAN: TRSNOTE:

S029E	11	TA
011S029E	35	TA
012S030E	6	TA

DIRECTIONS: From Bunnell, go W ca. 5 miles to bridge right before SR 205. EO is N of road.

PHYS PROV: WATERSHED:
AL 03080103

Status:

SURVEYDATE: 1994-07-15 LASTOBS: 1994-07-15 FIRSTOBS: 1994-07-15
EORANK: B-C EORANKDATE: 1994-07-15
EORANKCOM: Agricultural fields and ditches were directly W of EO. Some old stumps present. Drained to S by canal.

EODATA: In Section 11, visual estimates of dominant species were: canopy - Taxodium ascendens (35% cover, ≤12" DBH, and 40' tall), Acer rubrum (20%, ≤18"), Nyssa biflora (20%), and Pinus elliotii (10%); understory - Lyonia lucida, Myrica cerifera, and Itea virginica; groundcover - Woodwardia areolata, W. virginica, and Blechnum serrulatum; and vine - Toxicodendron radicans. The soil was dry on 1994-07-15; ordinary high water appeared to be ca. 12". A small creek bed running N-S was also dry.

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

EOTYPE:

GENDESC: The basin swamp continues N for ca. 1.5 miles and is bordered by baygall to the E. Ditches impact the swamp. Pine plantations and cleared agricultural fields dominate the surrounding areas. Logging NE of the EO and new survey lines N from SR 100 were noted on 1994-07-15.

MINELEV:

MAXELEV: 25

SIZE: 145

Protection:

MACODE:

MANAME:

MATYPE: CONTAINED:

MORELAND:

MOREPROT:

MOREMGMT:

TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER:

OWNERINFO:

OWNERCOM:

General Comments:

COMMENTS: Aerial photo: PD4116-06-18; flown 2-18-93.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS:

BOUNDARIES: Y

PHOTOS: Y

BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904) 462-2144.

SOURCECODE: CITATION:

PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY

DIG.METHOD:

DIG.COM:

SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-07-15: INDEFINITE BOUNDARY.

DIG.DATES:

TRANSCRIBR: 94-07-15 GES CDREV: Y

MAPPER: 94-12-05 MLE QC: Y

Record Maintenance:

LEADRESP:

EDITION:

EDAUTHOR:

Maintenance History:

OFFICE: INITIALS: CHANGE.DATE: CHANGE.FIELDS:
USFLHP VVG 95-01-13 37

USFLHP
USFLHP

VVG
VVG

95-01-06
95-01-06

7/11/13/15/16/17/18/19/20/
COPY

MANUAL.FILE.NOTE:

Additional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS:

NC.VALUES:

NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-07-15: INDEFINITE BOUNDARY.

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP:

STRATA:

COLL/PHOTO#:

Element Occurrence Record
BAYGALL

Identifiers:

Elcode EO# State:
CODE: CPS0000000*036*FL FONUM: IDENT: Y
SNAME: BAYGALL
SCOMNAME:
ELEMENT RANKS: GRANK: G4? NRANK: SRANK: S4?

Locators:

NATION: US SITECODE: S.USFLHP*6144
SITENAME: ESPANOLA CEMETERY
SURVEYSITE: PNAFLFLAG011; ESPANOLA CEMETERY BAYGALL

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLFLAG Flagler

QUADNAME:	QUADCODE:	MARGNUM:	DOTNUM:	TENTEN:
ESPANOLA	2908153	9		5,10
BUNNELL	2908143	12		4,1

LAT: 293012N	S: N
LONG: 0811858W	N: N
	E: W
	W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

NRANGE:	SECTION:	MERIDIAN:	TRSNOTE:
011S030E	31	TA	SW1/4
011S029E	36	TA	
012S029E	1	TA	
012S030E	6	TA	

DIRECTIONS: Go 0.5 mile W of Espanola on SR 205. EO is S of road.

PHYS PROV: WATERSHED:
AL 03080103

Status:

SURVEYDATE: 1994-07-15 LASTOBS: 1994-07-15 FIRSTOBS: 1994-07-15
EORANK: B EORANKDATE: 1994-07-15
EORANKCOM: Recent clearcutting of pines has disturbed edges of EO.

EODATA: Baygall with 100% canopy cover. In Section 31, visual estimates of dominant species were: canopy - Gordonia lasianthus (40% cover, ≤ 16 " DBH, and 40' tall), Magnolia virginiana (40%), and Nyssa biflora (20%); subcanopy - younger Gordonia (20% cover); understory - Lyonia lucida (50%, 3-8'); and groundcover - Woodwardia areolata (20%), Osmunda cinnamomea and O. regalis (5%). The soil was dry on 1994-07-15; ordinary high water appeared to be ca. 12".

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

EOTYPE:

GENDESC: Planted slash pines dominated the surrounding areas. Logging was occurring in the flatwoods along the powerline in Section 31 W1/4 on 1994-07-15.

MINELEV:

MAXELEV: 25

SIZE: 365

Protection:

MACODE:

MANAME:

MATYPE: CONTAINED:

MORELAND:

MOREPROT:

MOREMGMT:

TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER:

OWNERINFO:

OWNERCOM:

General Comments:

COMMENTS: Additional tenten = (5,1) on 2908143. Aerial photo: PD4116-06-18; flown 2-18-93.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS:

BOUNDARIES: Y

PHOTOS: Y

BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904) 462-2144.

SOURCECODE: CITATION:

PND SCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PND SCH03). SOURCE SCALE: 1:24,000. SOURCE MAP DATE: 1994-07-15: INDEFINITE BOUNDARY.

DIG.DATES:

TRANSCRIBR: 94-07-15 GES CDREV: Y

MAPPER: 94-12-05 MLE QC: Y

Record Maintenance:

LEADRESP:

EDITION:

EDAUTHOR:

Maintenance History:

OFFICE: INITIALS: CHANGE.DATE: CHANGE.FIELDS:

USFLHP VVG 95-01-13 37

USFLHP VVG 95-01-06 7/9/11/13/15/16/17/18/19/2

MANUAL.FILE.NOTE:

Additional Fields:

ORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS:

NC.VALUES:

NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-07-15: INDEFINITE BOUNDARY.

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP:

STRATA:

COLL/PHOTO#:

Element Occurrence Record
HELIANTHUS CARNOSUS

Identifiers:

Elcode EO# State:
CODE: PDAST4N0A0*007*FL FONUM: IDENT: Y
SNAME: HELIANTHUS CARNOSUS
SCOMNAME: LAKE-SIDE SUNFLOWER
ELEMENT RANKS: GRANK: G1G2 NRANK: SRANK: S1S2

Locators:

NATION: US SITECODE: S.USFLHP*6144
SITENAME: ESPANOLA CEMETERY
SURVEYSITE:

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLFLAG Flagler

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
BUNNELL 2908143 5 4,2

LAT: 292841N S:
LONG: 0812012W N:
E:
W:

COORD.COM:

TOWNRANGE: SECTION: MERIDIAN: TRSNOTE:
S029E 12 TA

DIRECTIONS: 3.9 mi. west of Bunnell along north side of SR 100.

PHYS PROV: WATERSHED:
AL 03080103

Status:

SURVEYDATE: 1993-07-09 LASTOBS: 1993-07-09 FIRSTOBS: 1993-07-09
EORANK: EORANKDATE:
EORANKCOM:

EODATA: Ca. 3 flowering plants within a 4 square meter area.

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

EOTYPE:
GENDESC: Along the top of a roadside ditch. Associates: road side
grasses.

MINELEV: 20 MAXELEV: 22 SIZE:

Protection:

CODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: Y MOREMGMT: Y TNCINVOLVE:

MGMTCOM: Discontinue mowing and scraping of roadsides.

PROTCOM:

Ownership:

OWNER:

OWNERINFO:

OWNERCOM:

General Comments:

COMMENTS:

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS:

BOUNDARIES:

PHOTOS:

BESTSOURCE: Miller, Anthony. 1993. Occurrences of Helianthus carnosus in
Flagler County. 275 East Central Parkway, #322, Altamonte
Springs, FL 32701. (407) 331-1571.

SOURCECODE: CITATION:

U93MIL01FLUS MILLER, ANTHONY. 1993. OCCURRENCES OF HELIANTUS CARNOSUS IN FLAGL
PNDMIL08FLUS MILLER, ANTHONY. CONTRACTOR. 275 EAST CENTRAL PARKWAY, #322, ALTA

SPECIMENS:

CONTRACT:

DIG.METHOD:

DIG.COM:

DIG.DATES:

TRANSCRIBR: 93-11-30 WJC CDREV: Y

MAPPER: 93-11-30 WJC QC: Y

Record Maintenance:

LEADRESP:

EDITION:

EDAUTHOR:

Maintenance History:

OFFICE: INITIALS: CHANGE.DATE: CHANGE.FIELDS:

USFLHP VVG 95-01-31 7

USFLHP VVG 94-06-17 21/37/46

USFLHP VVG 94-06-01 4/6/8/9/11/13/14/15/16/17/

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM:

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT:

ECOREGION:

EOR.OPT7:

NC.FIELDS:

NC.VALUES:

NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM:

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP:

STRATA:

COLL/PHOTO#:

Element Occurrence Record
BASIN SWAMP

Identifiers:

Elcode EO# State:
CODE: CPK0000000*029*FL FONUM: IDENT: Y
SNAME: BASIN SWAMP
SCOMNAME:
ELEMENT RANKS: GRANK: G4? NRANK: SRANK: S3

Locators:

NATION: US SITECODE: S.USFLHP*6152
SITENAME: ESPANOLA EAST SWAMP
SURVEYSITE: PNAFLFLAG027; ESPANOLA EAST SWAMP

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLFLAG Flagler

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
BUNNELL 2908143 13 8,1

LAT: 292948N S: N
LONG: 0811634W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

TOWNRANGE: SECTION: MERIDIAN: TRSNOTE:

S030E 33 TA
012S030E 4 TA

DIRECTIONS: For Section 33 SE1/4, go NW on SR 13 ca. 0.8 miles from US 1 in Bunnell. Turn NE and go 0.5 mile on the limerock road passing the Flagler County Agricultural Extension Office. Turn N and go 0.1 mile on a dirt road next to an abandoned sawmill. Park here and walk ca. 0.2 mile NW along an old overgrown logging road to the EO. For Section 4 NW1/4, go NW on SR 13 ca. 1.2 miles (pass the limerock road to the Flagler County Agricultural Extension Office) from US 1 in Bunnell. Park on the N side of the road and walk ca. 0.1 mile N through a narrow band of pines to the EO.

PHYS PROV: WATERSHED:
AL 03080103

Status:

SURVEYDATE: 1994-06-30 LASTOBS: 1994-06-30 FIRSTOBS: 1994-06-30
EORANK: B EORANKDATE: 1994-06-30
EORANKCOM: Many old cypress stumps observed.

EODATA: Basin swamp with diverse species composition of canopy. In Section 33 SE1/4, visual estimates of dominant species were: canopy- Taxodium ascendens (10% cover, 12-18" DBH, 40' tall), Nyssa biflora (40%), Acer rubrum (30%), Magnolia virginiana (10%), and Fraxinus profunda (10%); understory- Lyonia lucida (10%), and Myrica cerifera (10%); groundcover- Saururus cernuus, Blechnum serrulatum, and Osmunda regalis.

Little standing water; ordinary high water estimated to be ca. 18" based on buttressed roots. Muck soil lacking any leaf litter. Low light beneath dense canopy. In Section 4 NW1/4, the largest Taxodium ascendens was ≤12" DBH. Dominant species were: canopy- Taxodium ascendens (30% cover, ≤12" DBH, 40' tall), Nyssa biflora (20%), and Pinus elliottii (20%); subcanopy- Persea palustris and Ilex cassine; understory- Lyonia lucida and Myrica cerifera; groundcover- Woodwardia virginica (50%), Osmunda cinnamomea (25%), O. regalis (10%), and Cladium jamaicense (5%). No standing water. Canopy cover varied from 50-100%.

CONTACTID:
CONTACT.NOTE:

CONTACT.NAME:

Description:

EOTYPE:

GENDESC: Drier ground surrounding swamp cutover or planted with pines. Cypress sawmill and Flagler County park on SE edge.

MINELEV: 25 MAXELEV: SIZE: 120

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER: OWNERINFO:
OWNERCOM:

General Comments:

COMMENTS: Aerial photo: FDOT PD4116-8-15; flown 2-18-93.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS: Y
BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904) 462-2144.

SOURCECODE: CITATION:
PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY
DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-06-30: INDEFINITE BOUNDARY.

DIG.DATES:
TRANSCRIBR: 94-06-30 GES CDREV: Y
MAPPER: 94-12-05 MLE QC: Y

Record Maintenance:

LEADRESP:
EDITION: EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-12	37
USFLHP	VVG	95-01-09	7/11/13/15/16/17/18/19/20/
USFLHP	VVG	95-01-09	COPY

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

.OPT7:

NC.FIELDS: NC.VALUES: NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-06-30: INDEFINITE BOUNDARY.

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP: STRATA: COLL/PHOTO#:

Element Occurrence Record
BASIN MARSH

Identifiers:

Elcode EO# State:
CODE: CPL0000000*013*FL FONUM: IDENT: Y
SNAME: BASIN MARSH
SCOMNAME:
ELEMENT RANKS: GRANK: G? NRANK: SRANK: S4?

Locators:

NATION: US SITECODE: S.USFLHP*6149
SITENAME: GORE LAKE
SURVEYSITE: PNAFLFLAG020; GORE LAKE-FLAGLER COUNTY AIRPORT

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLFLAG Flagler

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
FLAGLER BEACH WEST 2908142 27 3,3

LAT: 292755N S: N
LONG: 0811319W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

TOWNRANGE: SECTION: MERIDIAN: TRSNOTE:
S031E 18 TA S1/2,SW1/4|W1/2

DIRECTIONS: From US 1 in Bunnell, go E on SR 100 ca. 2.5 miles to Belle Terre Blvd. Turn S and go ca. 1 mi. EO is E of road.

PHYS PROV: WATERSHED:
AL 03080201

Status:

SURVEYDATE: 1994-07-08 LASTOBS: 1994-07-08 FIRSTOBS: 1994-07-08
EORANK: B EORANKDATE: 1994-07-08
EORANKCOM: Woody species taking over herbaceous marsh.

EODATA: Basin marsh surrounding marsh lake (Gore Lake) [EO*003]. The marsh was dominated by Cladium jamaicense but was heavily invaded by hardwoods like Acer rubrum, Salix caroliniana, Myrica cerifera, Cephalanthus occidentalis, and Pinus elliotii. Dense woody vegetation along the lakeshore included Myrica cerifera, Acer rubrum, and Salix caroliniana. No vegetation was observed more than 20' from the lake shoreline.

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

TYPE:
GENDESC: The site was bordered by a paved road on the W side and the airport to the E. A residential subdivision was W of the

road. Gore Lake had clear but tannic water and undeveloped shoreline except two boat launch areas: one of ca. 0.3 acre on the W side which was open to public access and one on the E side of limited access through the airport.

MINELEV: 25 MAXELEV: SIZE: 200

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM: Lake frequently used by jet ski enthusiasts.

PROTCOM:

Ownership:

OWNER: OWNERINFO:

OWNERCOM:

General Comments:

COMMENTS: Aerial photo: FDOT PD4116-10-14; flown 2-18-93.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS: Y
BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904)
462-2144.

SOURCECODE: CITATION:
PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY
DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-07-08: INDEFINITE BOUNDARY.

DIG.DATES:
TRANSCRIBR: 94-07-08 GES CDREV: Y
MAPPER: 94-12-14 MLE QC: Y

Record Maintenance:

LEADRESP:
EDITION: EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-12	37
USFLHP	VVG	95-01-09	7/11/15/16/17/18/20/21/33/
USFLHP	VVG	95-01-09	COPY

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

...R.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS: NC.VALUES: NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-07-08: INDEFINITE BOUNDARY.

FIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP: STRATA: COLL/PHOTO#:

Element Occurrence Record
MARSH LAKE

Identifiers:

Elcode EO# State:
LUCODE: CLB0000000*003*FL FONUM: IDENT: Y
SNAME: MARSH LAKE
SCOMNAME:
ELEMENT RANKS: GRANK: G4 NRANK: SRANK: S4

Locators:

NATION: US SITECODE: S.USFLHP*6149
SITENAME: GORE LAKE
SURVEYSITE: PNAFLFLAG020; GORE LAKE-FLAGLER COUNTY AIRPORT

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLFLAG Flagler

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
FLAGLER BEACH WEST 2908142 28 3,4

LAT: 292732N S: N
LONG: 0811309W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

TOWNRANGE: SECTION: MERIDIAN: TRSNOTE:
S031E 18 TA W1/2

DIRECTIONS: From US 1 in Bunnell, go E on SR 100 ca. 2.5 miles to Belle Terre Blvd. Turn S and go ca. 1.1 miles. EO is E of road.

PHYSPROV: WATERSHED:
AL 03080201

Status:

SURVEYDATE: 1994-07-08 LASTOBS: 1994-07-08 FIRSTOBS: 1994-07-08
EORANK: B-C EORANKDATE: 1994-07-08
EORANKCOM: Undeveloped shoreline except one dirt boat launch area of ca. 0.3 acre open to public access. Also accessible from airport on E side.

EODATA: Marsh lake in good condition and surrounded by marsh [Basin Marsh*013]. Open water covered an area of ca. 75 acres (ca. 1400' E-W and 3000' N-S at its widest points). No vegetation was observed more than 20' from shore. Dense woody vegetation along the lakeshore included Myrica cerifera, Acer rubrum, and Salix caroliniana. The N and S ends of the lake were Cladium jamaicense marsh being invaded by hardwoods like Acer rubrum, Salix caroliniana, Myrica cerifera, Cephalanthus occidentalis, and Pinus elliottii. Water was clear but tannic.

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

EOTYPE:

GENDESC: The site was bordered by a paved road on the W side and the airport to the E. A residential subdivision was W of the road.

MINELEV: 22 MAXELEV: SIZE: 75

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM: Lake frequently used by jet ski enthusiasts.

PROTCOM:

Ownership:

OWNER: OWNERINFO:

OWNERCOM:

General Comments:

COMMENTS: Aerial photo: FDOT PD4116-10-14; flown 2-18-93. Undeveloped shoreline except two boat launch areas: one of ca. 0.3 acre on the west side which was open to public access and one on the east side of limited access through the airport.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS: Y
BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904) 462-2144.

SOURCECODE: CITATION:
PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY
DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-07-08: INDEFINITE BOUNDARY.

DIG.DATES:
TRANSCRIBER: 94-07-08 GES CDREV: Y
MAPPER: 94-12-14 MLE QC: Y

Record Maintenance:

LEADRESP:
EDITION: EDAUTHOR:

Maintenance History:

OFFICE: INITIALS: CHANGE.DATE: CHANGE.FIELDS:

USFLHP	VVG	95-01-12	37
USFLHP	VVG	95-01-09	7/11/13/15/16/17/20/21/33/
USFLHP	VVG	95-01-09	COPY

QUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS:

NC.VALUES:

NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-07-08: INDEFINITE BOUNDARY.

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP:

STRATA:

COLL/PHOTO#:

Element Occurrence Record
FLOODPLAIN SWAMP

Identifiers:

Elcode EO# State:
CODE: CPC0000000*001*FL FONUM: IDENT:
NAME: FLOODPLAIN SWAMP
SCOMNAME:
ELEMENT RANKS: GRANK: G? NRANK: SRANK: S4?

Locators:

NATION: US SITECODE: S.USFLHP*6146
SITENAME: BLACK BRANCH
SURVEYSITE:

PRECISION: G

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLFLAG Flagler

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
FLAGLER BEACH WEST 2908142 1

LAT: 292714N S: 0
LONG: 0811441W N: 0
E: 0
W: 0

COORD.COM:

TOWNRANGE: SECTION: MERIDIAN: TRSNOTE:
01S030E 14 TA

DIRECTIONS: BLACK BRANCH SWAMP; UNCERTAIN WHETHER SITE WE SAW OFF SR 11
OR SR 5. WE FOLLOWED PALM COAST PERSONNEL TO "VIRGIN
CYPRESS" SITE.

PHYSPROV: WATERSHED:
AL 03080201

Status:

SURVEYDATE: LASTOBS: 1981-01-26 FIRSTOBS:
EORANK: EORANKDATE:
EORANKCOM: PROBABLY VERY LOW

EODATA: CYPRESS/CABBAGE PALM SWAMP W/ BIG (SLASH?) PINES & RED
MAPLES GROWING ON OLD CYPRESS STUMPS. SOME 4' DBH HOLLOW
CYPRESS.

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

EOTYPE:
GENDESC: CYPRESS/CABBAGE PALM SWAMP.

MINELEV: 16 MAXELEV: SIZE: 0

Pl _ection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER: ITT (PALM COAST DEVE OWNERINFO:

OWNERCOM:

General Comments:

COMMENTS: SAID TO INCLUDE A STAND OF VIRGIN CYPRESS 3.5-5' DBH &
250-375 YRS. OLD, BUT LCD & MIKE DUEVER UNABLE TO FIND
1/26/81. SEE DIREC

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: PHOTOS:
BESTSOURCE: BROWN, L.N. 1973. SURVEY OF THE TERRESTRIAL ECOLOGY &
WILDLIFE POPULATIONS OF PALM COAST TRACT OF FLA. FINAL RPT.
TO ITT. 27 P.

SOURCECODE: CITATION:

U73BRO01FLUS BROWN, L.N. 1973. SURVEY OF THE TERRESTRIAL ECOLOGY AND WILDI
PNDVAU01FLUS VAUGHAN, (DICK) FLAG.
PNDBAI01FLUS BAILOG, GARY; FLAG; 904/439-3557
PNDSAL01FLUS SALOWE, (MR.) (ALLEN) FLAG.
PNDDUE02FLUS DUEVER, MICHAEL J. (DR.) (MIKE), NATIONAL AUDUBON SOCIETY ECOSY

SPECIMENS:

CONTRACT:

DIG.METHOD:

DIG.COM:

DIG.DATES:

TRANSCRIBR: 82-08-16 LCD CDREV: Y

MAPPER: 82-08-20 LCD QC: Y

Record Maintenance:

LEADRESP:

EDITION: EDAUTHOR:

Maintenance History:

OFFICE: INITIALS: CHANGE.DATE: CHANGE.FIELDS:
USFLHP VVG 95-01-31 4/7/15/16
USFLHP LTT 82-09-13 ALL

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM:

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

NTRACT:

ECOREGION: 75D

EOR.OPT7:

NC.FIELDS:
75D

NC.VALUES:

NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM:

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP:

STRATA:

COLL/PHOTO#:

Element Occurrence Record
FLOODPLAIN SWAMP

Identifiers:

Elcode EO# State:
ELCODE: CPC0000000*046*FL FONUM: IDENT: Y
SNAME: FLOODPLAIN SWAMP
SCOMNAME:
ELEMENT RANKS: GRANK: G? NRANK: SRANK: S4?

Locators:

NATION: US SITECODE: S.USFLHP*6146
SITENAME: BLACK BRANCH
SURVEYSITE: PNAFLFLAG014; BLACK POINT SWAMP

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLFLAG Flagler

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
BUNNELL 2908143 9 6,7
FLAGLER BEACH WEST 2908142 25 1,5

LAT: 292504N S: N
LONG: 0811806W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

NRANGE: SECTION: MERIDIAN: TRSNOTE:
012S030E 32 TA
012S029E 25 TA
013S030E 4 TA

DIRECTIONS: For Section 18, go W on SR 100 ca. 2.5 miles from US 1 in Bunnell; EO is on S side of road. For Section 21, go SW on SR 11 ca. 1.5 miles from US 1 in Bunnell; EO is on both sides of road. For Section 32, continue SW on SR 11 ca. 2.5 miles; EO is on both sides of road.

PHYS PROV: WATERSHED:
AL 03080103

Status:

SURVEYDATE: 1994-07-06 LASTOBS: 1994-07-06 FIRSTOBS: 1994-07-06
EORANK: B-C EORANKDATE: 1994-07-06
EORANKCOM: Numerous stumps from past logging. Cattle grazing disturbed groundcover in some areas.

EODATA: Dominant species were visually estimated. In Section 18 along SR 100, the floodplain swamp had high species diversity with 100% canopy cover. Dominant species were: canopy- Taxodium ascendens (35% cover, 18-24" DBH, 40-50' tall), Nyssa biflora (35%), Acer rubrum (15%), Liquidambar styraciflua (10%), Quercus laurifolia (5%), and Ulmus americana (5%); subcanopy- Sabal palmetto, Persea palustris; understory- Myrica cerifera and Cephalanthus occidentalis; groundcover- Saururus cernuus (30%), Woodwardia virginica,

W. areolata, Cladium jamaicense, Panicum gymnocarpon; and vine- Toxicodendron radicans. Canopy on W side more open with abundant Taxodium and Cladium. The east part of the swamp was mainly Nyssa and Taxodium. The center portion was dominated by Quercus laurifolia and Sabal palmetto. Largest trees ≤ 24 " DBH (18-20" typical). Very little standing water (a few puddles) on 1994-07-06. Canal crossed under SR 100. The NE corner in Section 17 E of W. Black Point Road was mainly planted pines and thus omitted from EO. Cattle grazing was evident. In Sections 21 and 22 (Black Branch) along SR 11, the swamp was ca. 1000' wide and had many large trees and numerous stumps. High diversity in 100% tree canopy. Largest trees ≤ 24 " DBH (occasionally larger hollow Taxodium to 48"). Dominant species were: canopy- Nyssa biflora (20% cover, 12-24" DBH, 40-50' tall), Taxodium ascendens (10%), Acer rubrum (20%), Fraxinus sp. (20%), Ulmus americana (20%) and Quercus laurifolia (10%); subcanopy- Sabal palmetto (30%) [rarely with the fern Phlebodium aureum]; groundcover- Saururus cernuus (20%), Panicum gymnocarpon (10%), Boehmeria cylindrica (20%); and vine- Toxicodendron radicans. Many large stumps were present, some up to 4' in diameter. The only water present on 1994-07-06 was in the excavated channel by the bridge. By CR 2003 in Section 22, the dry swamp narrowed to 500' wide and had numerous Sabal palmetto trees and seedlings. In Section 32, the swamp was ca. 1000' wide W of SR11 and became broader towards Sweetwater Swamp to the E. Moderate species diversity in 100% canopy cover. Largest trees ≤ 18 " DBH. Dominant species were: canopy- Nyssa biflora (30% cover, ≤ 18 " DBH, 40-50' tall), Acer rubrum (20%), Quercus laurifolia (20%), Taxodium ascendens (10%), and Sabal palmetto (10%); subcanopy- Sabal palmetto (20%); groundcover- Rhynchospora miliacea (20%), Blechnum serrulatum (10%), Panicum spp. (10%), and Boehmeria cylindrica (5%); and vine- Toxicodendron radicans. Also noteworthy were the ferns Phlebodium aureum and Vittaria lineata growing on the Sabal palmetto. Water 12+" deep flowing W in ca. 100' wide main channel on 1994-07-07. Ordinary high water appeared to be ca. 24". The ground was dry away from the main channel. Cattle dung was occasionally seen.

CONTACTID:

CONTACT.NAME:

CONTACT.NOTE:

Description:

EOTYPE:

GENDESC:

This widespread EO forms part of the Haw Creek headwaters. The creek corridors were narrow, lower quality connections between the wider areas in Black Point Swamp, Sweetwater Swamp, and Black Branch Swamp. Pine plantations dominated surrounding uplands.

MINELEV:

5

MAXELEV: 15

SIZE: 2100

Element Occurrence Record
BASIN MARSH

Identifiers:

Elcode EO# State:
CODE: CPL0000000*003*FL FONUM: IDENT: Y
SNAME: BASIN MARSH
SCOMNAME:
ELEMENT RANKS: GRANK: G? NRANK: SRANK: S4?

Locators:

NATION: US SITECODE: S.USFLHP*6139
SITENAME: HAW CREEK
SURVEYSITE: PNAFLVOLU008; HAW CREEK- SJRWMD

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLVOLU Volusia

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
SEVILLE 2908134 13 4,2
ST. JOHNS PARK 2908144 5 7,10

LAT: 292138N S: N
LONG: 0812734W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

T RANGE: SECTION: MERIDIAN: TRSNOTE:
013S028E 22 TA N4

DIRECTIONS: Have 4WD vehicle and aerial photo or quad map in hand. For Section 22 N1/4, go N on US 17 ca. 2.5 mi to Raulerson Road from CR 305 in Seville. Turn E and go 1.9 mi to end of pavement. Pass through locked gate (SJRWMD lock), and continue E on dirt road for ca. 0.5 mi, then turn N and go ca. 0.4 mi along edge and then through planted slash pines. At T in road, turn W and then N and drive between rows of pines until they end. Park here and walk N ca. 200' through hydric hammock and 300' through basin swamp to EO.

PHYSPROV: WATERSHED:
AL 03080103

Status:

SURVEYDATE: 1994-10-14 LASTOBS: 1994-10-14 FIRSTOBS: 1984
EORANK: A EORANKDATE: 1994-10-14
EORANKCOM: Extensive basin marsh with sparse woody vegetation. No evidence of any recent disturbance in marsh.

EODATA: In Section 22 N1/4, pristine appearing basin marsh ca. 0.5 mi across N-S at this point. Visual estimates of dominant species were: groundcover- Cladium jamaicense (90% cover, 6-8' tall) and Osmunda cinnamomea (20%); and widely scattered Myrica cerifera (<1%, 4-10'). Water covered the marsh ca. 24" deep on 1994-10-14; this appeared to be at ordinary high water.

CONTACTID:
CONTACT.NOTE:

CONTACT.NAME:

Description:

EOTYPE:

GENDESC: A basin swamp fringe grew around the periphery of the basin marsh. Hydric hammock was between the swamp and uplands to the S (which had mostly been converted to pine plantations). Crescent Lake was ca. 0.7 mi to the N.

MINELEV: 5 MAXELEV: SIZE: 1240

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER:

OWNERINFO:

OWNERCOM: Partly in Haw Creek State Preserve (Sections 12 and N1/2 13 and 14). Remainder purchased in early 1994 by St. Johns River Water Management District from Georgia-Pacific Corporation. Steve Miller (SJRWMD Land Management Coordinator; phone: 904-329- 4399) is in charge of implementing management plan for the tract.

General Comments:

COMMENTS: Aerial photos: FDOT PD4038-4-19; flown 3-3-92.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS: Y

BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904) 462-2144.

SOURCECODE: CITATION:

PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21
PNDDUT01FLUS DUTOIT, CHARLES (MR.) (CHARLIE), FLA. DIVISION OF RECRE
P84DUT01FLUS

SPECIMENS:

CONTRACT: 1993 TIGER BAY

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-10-14: INDEFINITE BOUNDARY.

DIG.DATES:

TRANSCRIBER:
MAPPER:

CDREV:
QC: Y

Record Maintenance:

DRESP:
LOCATION:

EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-27	37
USFLHP	VVG	95-01-09	7/9/11/13/15/16/17/20/21/3
USFLHP	VVG	95-01-09	COPY

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION: 75D

EOR.OPT7:

NC.FIELDS:
75D

NC.VALUES:

NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-10-14: INDEFINITE BOUNDARY.

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP:

STRATA:

COLL/PHOTO#:

Element Occurrence Record
BASIN SWAMP

Identifiers:

Elcode EO# State:

CODE: CPK0000000*025*FL FONUM: IDENT: Y
SNAME: BASIN SWAMP
SCOMNAME:
ELEMENT RANKS: GRANK: G4? NRANK: SRANK: S3

Locators:

NATION: US SITECODE: S.USFLHP*6139
SITENAME: HAW CREEK
SURVEYSITE: PNAFLFLAG001; MUD LAKE

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLFLAG Flagler

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
ST. JOHNS PARK 2908144 18 7,7

LAT: 292519N S: N
LONG: 0812514W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

TOWNRANGE: SECTION: MERIDIAN: TRSNOTE:
C 029E 31 TA NW1/4 NW1/4
012S028E 36 TA
013S028E 01 TA

DIRECTIONS: From Bunnell, go W on SR 100 ca. 7 mi to CR 305. Turn S and go ca. 4 mi to CR 2006. Turn W and go ca. 3.0 mi. EO is S of the road.

PHYS PROV: WATERSHED:
AL 03080103

Status:

SURVEYDATE: 1994-08-18 LASTOBS: 1994-08-18 FIRSTOBS: 1994-08-18
EORANK: B-C EORANKDATE: 1994-08-18
EORANKCOM: Young trees forming 100% canopy cover.

EODATA: Extensive basin swamp of young trees along the N side of Mud Lake. Visual estimates of dominant species were: canopy- Taxodium ascendens (20% cover, ≤ 8 " DBH, 40' tall), Acer rubrum (60%, 4-12", 30'), and Ulmus americana (10%); subcanopy- Sabal palmetto (10%, 7-25'); groundcover- Rhynchospora inundata; vine- Toxicodendron radicans. Other species were noted on field forms. Water depth was 6-12" on 1994-08-18.

C TACTID: CONTACT.NAME:
C TACT.NOTE:

Description:

EOTYPE:

GENDESC: The floodplain swamp extends S to the Mud Lake area (a large basin marsh) and W towards Dead Lake. The small village of St. Johns Park lies immediately W on slightly higher ground.

MINELEV: 0 MAXELEV: 5 SIZE: 280

Protection:

MACODE: MANAME: MATYPE: CONTAINED:
M.USFLHP*334 HAW CREEK STATE PRESERVE SRPSV

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER: OWNERINFO:
OWNERCOM:

General Comments:

COMMENTS: Aerial photo: FDOT PD4116-3-03; flown 2-19-93.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS: Y
BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904)
462-2144.

SOURCECODE: CITATION:
PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY
DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-08-18. INDEFINITE BOUNDARY.

DIG.DATES: 94-12-12 DL
TRANSCRIBR: 94-08-18 GES CDREV: Y
MAPPER: 94-11-28 MLE QC: Y

Record Maintenance:

LEADRESP:
EDITION: EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	94-12-21	37
USFLHP	VVG	94-12-21	7/11/13/15/16/17/18/19/20/
USFLHP	VVG	94-12-20	COPY

MANUAL.FILE.NOTE:

Optional Fields:

RD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS: NC.VALUES: NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-08-18. INDEFINITE BOUNDARY.

I .DATES: 94-12-12 DL

EOR.OPT16:

EOR.OPT17:

PLANT.SPP: STRATA: COLL/PHOTO#:

Element Occurrence Record
BLACKWATER STREAM

Identifiers:

Elcode EO# State:
ECCODE: CRC0000000*034*FL FONUM: IDENT: Y
SNAME: BLACKWATER STREAM
SCOMNAME:
ELEMENT RANKS: GRANK: G4 NRANK: SRANK: S2

Locators:

NATION: US SITECODE: S.USFLHP*6139
SITENAME: HAW CREEK
SURVEYSITE: PNAFLFLAG001; LITTLE HAW CREEK-CR 305

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLFLAG Flagler

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
SEVILLE 2908134 12 10,5

LAT: 291913N S:
LONG: 0812309W N:
E:
W:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

TOWNRANGE: SECTION: MERIDIAN: TRSNOTE:
014S029E 32 TA
014S029E 5 TA NE1/4NE1/4

DIRECTIONS: From US 17 in Seville, go E on CR 305 ca. 6.5 miles (past the Volusia County line) to the Little Haw Creek bridge. This EO is on the N and S sides of the road.

PHYSPROV: WATERSHED:
AL 03080103

Status:

SURVEYDATE: 1994-08-18 LASTOBS: 1994-08-18 FIRSTOBS: 1994-08-18
EORANK: B EORANKDATE: 1994-08-18
EORANKCOM: Cattle grazing up to water's edge.

EODATA: Blackwater stream in good condition despite disturbances along parts of its shoreline. Water clear, dark, tannic; strong flow N on 1994-08-18. Channel ca. 30' wide, appeared excavated at bridge. Floodplain very narrow N and S of road.

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

EOTYPE:
()DESC: Little Haw Creek drains out of Lake Disston (ca. 1.5 mile to the S) through a Taxodium ascendens dominated floodplain swamp. Cattle pastures and pine plantations were prevalent in area. A cattle corral was just E of the creek on the N

side of the road. A barbed wire fence crossed the creek channel just S of the road. The NE1/4 of Section 5 was recently clearcut up to the floodplain.

MINELEV: MAXELEV: 15 SIZE:

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER: OWNERINFO:

OWNERCOM:

General Comments:

COMMENTS: Aerial photo: FDOT PD4116-4-05; flown 2-19-93. D. Printiss and M. Ray assumed boundaries from Schultz's gen. desc.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS:

BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904) 462-2144.

SOURCECODE: CITATION:

PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY

DIG.METHOD: ARC/INFO

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP DATE: 1994-08-18: INDEFINITE BOUNDARY.

DIG.DATES: 95-03-01 MRR

TRANSCRIBR: 94-08-18 GES CDREV: Y

MAPPER: 94-12-08 MLE QC: Y

Record Maintenance:

LEADRESP:

EDITION: EDAUTHOR:

Maintenance History:

OFFICE: INITIALS: CHANGE.DATE: CHANGE.FIELDS:

USFLHP VVG 95-03-01 76

USFLHP VVG 95-01-27 37

USFLHP VVG 95-01-09 4/6/7/9/11/13/14/15/16/17/

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

1 ..OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS: NC.VALUES: NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD: ARC/INFO

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-08-18: INDEFINITE BOUNDARY.

DIG.DATES: 95-03-01 MRR

EOR.OPT16:

EOR.OPT17:

PLANT.SPP: STRATA: COLL/PHOTO#:

Element Occurrence Record
FLOODPLAIN SWAMP

Identifiers:

Elcode EO# State:
ECCODE: CPC0000000*041*FL FONUM: IDENT: Y
SNAME: FLOODPLAIN SWAMP
SCOMNAME:
ELEMENT RANKS: GRANK: G? NRANK: SRANK: S4?

Locators:

NATION: US SITECODE: S.USFLHP*6139
SITENAME: HAW CREEK
SURVEYSITE: PNAFLFLAG001; SHELL BLUFF LANDING

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLFLAG Flagler

QUADNAME:	QUADCODE:	MARGNUM:	DOTNUM:	TENTEN:
ST. JOHNS PARK	2908144	14		1,1
SAN MATEO	2908155	7		10,10
DINNER ISLAND	2908154	3		1,10

LAT: 292940N S:
LONG: 0812918W N:
E:
W:

CARD.COM: OVERLAY: FNAI. MAP SUPPLIED.

TOWNRANGE: SECTION: MERIDIAN: TRSNOTE:
011S028E 33 TA SW1/4, SW1/4, SW1/4

DIRECTIONS: From the Flagler/Putnam county line, go SE on SR 100 ca. 3.5 miles to Andalusia. Turn S and go 0.4 mile on a graded limerock road to a boat ramp on Crescent Lake. EO is N and S along the shoreline.

PHYSPROV: WATERSHED:
AL 03080103

Status:

SURVEYDATE: 1994-07-05 LASTOBS: 1994-07-05 FIRSTOBS: 1994-07-05
EORANK: A EORANKDATE: 1994-07-05
EORANKCOM: Large trees forming 100% canopy cover with no evidence of recent human disturbance.

EODATA: Mixed composition with largest trees 24" DHB. Visual estimates of dominant species were: canopy - Taxodium distichum (50% cover, ≤ 24 " DBH, 50' tall), Fraxinus profunda (30%), Acer rubrum (20%), and Quercus laurifolia (10); subcanopy - Myrica cerifera, Sabal minor and Cephalanthus occidentalis; groundcover - Panicum gymnocarpon, Dryopteris ludoviciana, and Saururus cernuus. Other species were noted on field forms.

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

EOTYPE:

GENDESC: Floodplain swamp ca. 300-3000' wide and 9 mi long along E shore of Crescent Lake. Inland areas at Shell Bluff Landing were mesic hammock with Quercus virginiana (cleared underneath) and mesic flatwoods with Pinus taeda and Serenoa repens.

MINELEV: 0 MAXELEV: 5 SIZE: 940

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER: OWNERINFO:

OWNERCOM:

General Comments:

COMMENTS: Aerial photos: FDOT PD4116-1-07, 2-03 to 2-07; flown 2-19-93.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS:

BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904) 462-2144.

SOURCECODE: CITATION:

PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY

DIG.METHOD: ARC/INFO

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP DATE: 1994-07-05: INDEFINITE BOUNDARY.

DIG.DATES: 95-03-10 MRR

TRANSCRIBR: 94-07-05 GES CDREV: Y

MAPPER: 94-11-30 MLE QC: Y

Record Maintenance:

LEADRESP:

EDITION: EDAUTHOR:

Maintenance History:

OFFICE: INITIALS: CHANGE.DATE: CHANGE.FIELDS:

USFLHP	VVG	95-01-27	37
USFLHP	VVG	95-01-09	4/6/7/9/11/13/14/15/16/17/

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS: NC.VALUES: NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD: ARC/INFO

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-07-05: INDEFINITE BOUNDARY.

DIG.DATES: 95-03-10 MRR

EOR.OPT16:

EOR.OPT17:

PLANT.SPP: STRATA: COLL/PHOTO#:

Element Occurrence Record
FLOODPLAIN SWAMP

Identifiers:

Elcode EO# State:
ECODE: CPC0000000*044*FL FONUM: IDENT: Y
SNAME: FLOODPLAIN SWAMP
SCOMNAME:
ELEMENT RANKS: GRANK: G? NRANK: SRANK: S4?

Locators:

NATION: US SITECODE: S.USFLHP*6139
SITENAME: HAW CREEK
SURVEYSITE: PNAFLFLAG001; DEAD LAKE

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLFLAG Flagler

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
ST. JOHNS PARK 2908144 19 6,7

LAT: 292527N S: N
LONG: 0812606W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

TOWNRANGE: SECTION: MERIDIAN: TRSNOTE:
C 3028E 25 TA SW1/4 SW1/4
013S028E 1, TA
013S029E 6, TA

DIRECTIONS: From Bunnell, go W on SR 100 ca. 7 miles to CR 305. Turn S and go ca. 4 miles to CR 2006. Turn W and go ca. 3.9 miles until the road ends at the Bull Creek Fish Camp. The EO is N and S of the road.

PHYSPROV: WATERSHED:
AL 03080103

Status:

SURVEYDATE: 1994-08-18 LASTOBS: 1994-08-18 FIRSTOBS: 1994-08-18
EORANK: A EORANKDATE: 1994-08-18
EORANKCOM: Large trees forming 100% canopy cover.

EODATA: Extensive floodplain swamp along the shores of Crescent and Dead lakes and E along Haw Creek. Dominant tree species were Taxodium ascendens, Nyssa biflora, Acer rubrum, Fraxinus caroliniana, Ulmus americana, Liquidambar styraciflua, and Sabal palmetto. See field forms for species list.

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

EOTYPE:
GENDESC: The floodplain swamp extends all of the way around Dead

Lake. The lake's 500 acres of open water connect to Haw Creek and the larger Crescent Lake at their S end. Bull Creek Fish Camp appeared to be the only developed area on Dead Lake. The small village of St. Johns Park lies immediately E on slightly higher ground.

MINELEV: MAXELEV: 5 SIZE: 2240

Protection:

MACODE: MANAME: MATYPE: CONTAINED:
M.USFLHP*334 HAW CREEK STATE PRESERVE SRPSV

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER: OWNERINFO:
OWNERCOM:

General Comments:

COMMENTS: Aerial photo: FDOT PD4116-3-03; flown 2-19-93.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS: Y
BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904)
462-2144.

SOURCECODE: CITATION:
PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY
DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-08-18. INDEFINITE BOUNDARY.

DIG.DATES: 94-12-12 DL
TRANSCRIBR: 94-08-18 GES CDREV: Y
MAPPER: 94-12-01 MLE QC: Y

Record Maintenance:

LEADRESP:
EDITION: EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	94-12-21	17/37
USFLHP	VVG	94-12-21	7/9/11/13/15/16/17/18/19/2
USFLHP	VVG	94-12-20	COPY

MANUAL.FILE.NOTE:

Optional Fields:

C RD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS: NC.VALUES: NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-08-18. INDEFINITE BOUNDARY.

L DATES: 94-12-12 DL

EOR.OPT16:

EOR.OPT17:

PLANT.SPP: STRATA: COLL/PHOTO#:

Element Occurrence Record
FLOODPLAIN SWAMP

Identifiers:

Elcode EO# State:
E CODE: CPC0000000*045*FL FONUM: IDENT: Y
SNAME: FLOODPLAIN SWAMP
SCOMNAME:
ELEMENT RANKS: GRANK: G? NRANK: SRANK: S4?

Locators:

NATION: US SITECODE: S.USFLHP*6139
SITENAME: HAW CREEK
SURVEYSITE: PNAFLFLAG008; HAW CREEK-SJRWMD

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLVLU Volusia
FLFLAG Flagler

QUADNAME:	QUADCODE:	MARGNUM:	DOTNUM:	TENTEN:
SEVILLE	2908134	11		4,2
ST. JOHNS PARK	2908144	6		6,9
BUNNELL	2908143	7		1,9

LAT: 292134N S: N
LONG: 0812737W N: N
E: W
W: W

C RD.COM: OVERLAY: FNAI. MAP SUPPLIED.

TOWNRANGE: SECTION: MERIDIAN: TRSNOTE:
013S028E 22 TA N2

DIRECTIONS: Have 4WD vehicle and aerial photo or quad map in hand. For Section 22 N1/4, go N on US 17 ca. 2.5 mi to Raulerson Road from CR 305 in Seville. Turn E and go 1.9 mi to end of pavement. Pass through locked gate (SJRWMD lock), and continue E on dirt road for ca. 0.5 mi, then turn N and go ca. 0.4 mi along edge and then through planted slash pines. At T in road, turn W and then N and drive between rows of pines until they end. Park here and walk N ca. 200' through xeric hammock to EO.

PHYS PROV: WATERSHED:
AL 03080103

Status:

SURVEYDATE: 1994-10-14 LASTOBS: 1994-10-14 FIRSTOBS: 1994-10-14
EORANK: A-B EORANKDATE: 1994-10-14
EORANKCOM: Large trees common. Old stumps were present. No evidence of recent logging in swamp.

EODATA: In Section 22 N1/4, pristine appearing floodplain swamp was ca. 300' across N-S. Visual estimates of dominant species were: canopy- Taxodium ascendens (60% cover, ≤18" DBH, 60-75' tall), Acer rubrum (10%, 12-16" DBH, 50'), Nyssa biflora (30%, ≤16", 50'), and Magnolia virginiana (5%, ≤12",

50'); subcanopy- *Fraxinus caroliniana* (5%, 8", 20-40') and *Ilex cassine* (1%, ≤8", 10-30'); understory- *Lyonia lucida* (20%, 5-8'); groundcover- *Osmunda cinnamomea* (20%), *Blechnum serrulatum* (10%), and *Pontederia cordata* (5%); and vine- *Toxicodendron radicans*. Open water covered ca. 30% of ground and was 12-24" deep on 1994-10-14; this appeared to be at ordinary high water. One adult *Agkistrodon piscivorus conanti* (cottonmouth snake) ca. 36" long was observed in swamp.

CONTACTID:
CONTACT.NOTE:

CONTACT.NAME:

Description:

EOTYPE:

GENDESC: The floodplain swamp fringe continued around the periphery of a 0.5 mi diameter basin marsh to the N. The swamp extended N of the marsh ca. 0.7 mi to the S end of Crescent Lake. Hydric hammock was between the swamp and uplands to the S (which had mostly been converted to pine plantations).

MINELEV: 5 MAXELEV: SIZE: 2800

Protection:

MACODE:

MANAME:

MATYPE: CONTAINED:

M.USFLHP*334

HAW CREEK STATE PRESERVE

SRPSV

M.USFLHP*2069

HAW CREEK CONSERVATION AREA

SWJCA

MORELAND:

MOREPROT:

MOREMGMT:

TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER:

OWNERINFO:

OWNERCOM:

Haw Creek State Preserve in Sections 1, 11, and N1/2 13 and 14. Remainder purchased in early 199 by St. Johns River Water Management District from Georgia-Pacific Corporation. Steve Miller (SJRWMD Land Management Coordinator; phone: 904-329- 4399) is in charge of implementing management plan for the tract.

General Comments:

COMMENTS: Aerial photo: FDOT PD4038-4-19; flown 3-3-92. Additional tentens = (2,10) on 2908144, and (9,2) on 2908134.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS:

BOUNDARIES: Y

PHOTOS: Y

BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904) 462-2144.

SOURCECODE: CITATION:

PNDSCO3FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY

I .METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-10-14: INDEFINITE BOUNDARY.

DIG.DATES:

TRANSCRIBR: 94-10-14 GES CDREV: Y

MAPPER: 94-12-01 MLE QC: Y

Record Maintenance:

LEADRESP:

EDITION: EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-27	37
USFLHP	VVG	95-01-09	6/7/9/11/13/15/16/17/20/21
USFLHP	VVG	95-01-09	COPY

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

E .OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS: NC.VALUES: NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-10-14: INDEFINITE BOUNDARY.

DIG.DATES:

EOR.OPT16:

EC...OPT17:

PLANT.SPP:

STRATA:

COLL/PHOTO#:

Element Occurrence Record
HYDRIC HAMMOCK

Identifiers:

Elcode EO# State:
L CODE: CPU0000000*033*FL FONUM: IDENT: Y
SNAME: HYDRIC HAMMOCK
SCOMNAME:
ELEMENT RANKS: GRANK: G? NRANK: SRANK: S4?

Locators:

NATION: US SITECODE: S.USFLHP*6139
SITENAME: HAW CREEK
SURVEYSITE: PNAFLFLAG001; MUD LAKE

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLFLAG Flagler

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
ST. JOHNS PARK 2908144 20 8,7

LAT: 292521N S: N
LONG: 0812436W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

TOWNRANGE: SECTION: MERIDIAN: TRSNOTE:
C 3029E 31 TA NW1/4 NE1/4

DIRECTIONS: From Bunnell, go W on SR 100 ca. 7 miles to CR 305. Turn S and go ca. 4 miles to CR 2006 [FNAI assumes CR 318 per FDOT county map and USGS quadrangle]. Turn W and go ca. 2.3 miles. The EO is S of the road and W of the stream .

PHYS PROV: WATERSHED:
AL 03080103

Status:

SURVEYDATE: 1994-08-18 LASTOBS: 1994-08-18 FIRSTOBS: 1994-08-18
EORANK: C EORANKDATE: 1994-08-18
EORANKCOM: Stream channelized and diked which reduces periodic flooding of hydric hammock.

EODATA: Hydric hammock with altered hydrology and some large trees. Dominant species were: canopy- Liquidambar styraciflua (40% cover, ≤20" DBH, 50' tall), Quercus virginiana [20%, 12"(rarely up to 30"), 40'], Quercus laurifolia (20%, 12"), Acer rubrum (10%, ≤20") and Magnolia virginiana (5%, ≤18"); subcanopy- Sabal palmetto (20%, 10- 25'), Juniperus silicicola (5%, 10", 20-30'), and Diospyros virginiana (5%, 8"); understory- Sabal palmetto (30%, 4-10') and Serenoa repens (20%, 3-4'); groundcover- Toxicodendron radicans (60%), Thelypteris sp. (10%). The exotic Cinnamomum camphora was observed as both an occasional large tree and as numerous widespread seedlings. The hammock continued W (ca. 500' from the stream) where large Quercus virginiana

dominated the canopy. The stream bordering the E side of the examined hammock was channelized into a ditch 15-20' wide. The spoil pile was a dike 3-4' high on the ditch's W side. The water in the ditch was 12" deep on 1994-08-18.

CONTACTID:
CONTACT.NOTE:

CONTACT.NAME:

Description:

EOTYPE:

GENDESC: The stream was surrounded by agricultural fields to the N and drains S towards Mud Lake. There were several residences in the general area including one just E of the stream.

MINELEV: 5 MAXELEV: SIZE: 10

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER: OWNERINFO:
OWNERCOM:

General Comments:

COMMENTS: Aerial photo: FDOT PD4116-4-11; flown 2-19-93.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS:
BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904) 462-2144.

SOURCECODE: CITATION:
PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY
DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-08-18: INDEFINITE BOUNDARY.

DIG.DATES: 94-12-12 DL
TRANSCRIBR: 94-08-18 GES CDREV: Y
MAPPER: 94-12-01 MLE QC: Y

Record Maintenance:

LEADRESP:

EDITION:

EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	94-12-21	37
USFLHP	VVG	94-12-21	7/11/13/15/16/17/20/21/33/
USFLHP	VVG	94-12-20	COPY

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS:

NC.VALUES:

NC.VALUE.COM:

E OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-08-18: INDEFINITE BOUNDARY.

DIG.DATES: 94-12-12 DL

EOR.OPT16:

EOR.OPT17:

PLANT.SPP:

STRATA:

COLL/PHOTO#:

Element Occurrence Record
HYDRIC HAMMOCK

Identifiers:

Elcode EO# State:
E CODE: CPU0000000*035*FL FONUM: IDENT: Y
SNAME: HYDRIC HAMMOCK
SCOMNAME:
ELEMENT RANKS: GRANK: G? NRANK: SRANK: S4?

Locators:

NATION: US SITECODE: S.USFLHP*6139
SITENAME: HAW CREEK
SURVEYSITE: PNAFLVLU008; HAW CREEK-SJRWMD

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLVLU Volusia

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
SEVILLE 2908134 14 6,2

LAT: 292138N S: N
LONG: 0812548W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

TOWNRANGE: SECTION: MERIDIAN: TRSNOTE:
C 3028E 24 TA

DIRECTIONS: Have 4WD vehicle and aerial photo or quad map in hand. For Section 24 NW1/4, go N on US 17 ca. 2.5 mi to Raulerson Road from CR 305 in Seville. Turn E and go 1.9 mi to end of pavement. Pass through locked gate (SJRWMD has key), and continue E on dirt road for ca. 0.5 mi, follow road as it turns S, then E through a 20' wide creek, and then continues eastward ca. 1.8 mi along sandy ridges planted with young longleaf or slash pines. At this fork in the road, turn NNE for ca. 0.5 mi, then E ca. 0.5 mi (crossing over a series of culverts in a hydric hammock with numerous Sabal palmetto), then N ca. 0.4 mi. Turn WNW on narrow old logging road and go ca. 0.3 mi. Park here and walk through EO on both sides of road.

PHYS PROV: WATERSHED:
AL 03080103

Status:

SURVEYDATE: 1994-10-14 LASTOBS: 1994-10-14 FIRSTOBS: 1994-10-14
EORANK: B EORANKDATE: 1994-10-14
EORANKCOM: Large trees only occassionally seen. Old stumps were present. No evidence of recent logging in swamp.

F VTA: In Section 24 NW1/4, hydric hammock extended ca. 0.3 mi across. Old logging road ca. 8' wide ran through hammock with occasional narrower side trails. Most trees 4-10" DBH and 30-40' tall with much larger individuals only

occasionally seen. Visual estimates of dominant species were: canopy- *Acer rubrum* [25% cover, 8-12" DBH, 30-40' tall (rarely 18" and 60')], *Nyssa biflora* (20%, ≤14"), *Liquidambar styraciflua* (25%, 6-10"), and *Taxodium ascendens* (<1%, 4-14", 30-75'); subcanopy- *Sabal palmetto* (10%, 20-40') and *Myrica cerifera* (10%, ≤4", 10-25'); understory- *Sabal palmetto* (10%) and *Sabal minor* (10%); and groundcover- *Blechnum serrulatum* (40%) and *Dryopteris ludoviciana* (10%). Water was ca. 12-18" deep over logging road and ca. 24" deep under trees on 1994-10-14; this appeared to be at ordinary high water. One adult *Agkistrodon piscivorus conanti* (cottonmouth snake) ca. 36" long was observed in swamp.

CONTACTID:
CONTACT.NOTE:

CONTACT.NAME:

Description:

EOTYPE:

GENDESC: The hydric hammock continued S for 2 miles and appeared to be up to 0.4 mile wide (E-W) in some places. It graded into basin swamp and basin marsh which covered the one mi N to Crescent Lake. Most of area appeared to have been logged in the past as an occasional large tree would be seen towering over the top of the normal canopy height. The roads in this area were covered with bahia grass and were probably mowed regularly as they lacked tree seedlings. Uplands to the S had mostly been converted to pine plantations.

MINELEV: 5 MAXELEV: 10 SIZE: 330

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER: ST. JOHNS RIVER WATE OWNERINFO:
OWNERCOM: Purchased in early 1994 by St. Johns River Water Management District from Georgia-Pacific Corporation. Steve Miller (SJRWMD Land Management Coordinator; phone: 904-329- 4399) is in charge of implementing management plan for the tract.

General Comments:

COMMENTS: Aerial photo: FDOT PD4038-5-21; flown 3-3-92.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS: Y
BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904) 462-2144.

SOURCECODE: CITATION:
PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY
DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-10-14: INDEFINITE BOUNDARY.

DIG.DATES:
TRANSCRIBER: 94-10-14 GES CDREV: Y
MAPPER: 94-12-09 MLE QC: Y

Record Maintenance:

LEADRESP:
EDITION: EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-27	37
USFLHP	VVG	95-01-09	7/11/13/15/16/17/18/20/21/
USFLHP	VVG	95-01-09	COPY

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS: NC.VALUES: NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-10-14: INDEFINITE BOUNDARY.

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP:

STRATA:

COLL/PHOTO#:

Element Occurrence Record
MESIC FLATWOODS

Identifiers:

Elcode EO# State:
ECODE: CTE0000000*163*FL FONUM: IDENT: Y
SNAME: MESIC FLATWOODS
SCOMNAME:
ELEMENT RANKS: GRANK: G? NRANK: SRANK: S4

Locators:

NATION: US SITECODE: S.USFLHP*6139
SITENAME: HAW CREEK
SURVEYSITE: PNAFLFLAG001; LITTLE HAW CREEK- CR 305

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLFLAG Flagler

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
SEVILLE 2908134 15 7,5

LAT: 291918N S: N
LONG: 0812505W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

TOWNRANGE: SECTION: MERIDIAN: TRSNOTE:
0 0029E 31 TA S1/2, SW1/4
014S029E 6 TA

DIRECTIONS: From US 17 in Seville, go E on CR 305 ca. 4.6 miles to the Volusia County line. The EO begins at the county line and continues E for 0.25 mile on the N and S sides of the road.

PHYSPROV: WATERSHED:
AL 03080103

Status:

SURVEYDATE: 1994-08-18 LASTOBS: 1994-08-18 FIRSTOBS: 1994-08-18
EORANK: C EORANKDATE: 1994-08-18
EORANKCOM: Groundcover lacks diversity.

EODATA: Mesic flatwoods in fair condition. Visual estimates of dominant species were: canopy- Pinus elliottii (50+% cover, 3-10" DBH, 20-50' tall); understory- Serenoa repens (10-80%, 4-5'). Serenoa was thick in some areas and lacking in others. Slash pines were of many different ages. Trunks of trees on N side of road charred by burning. Area fenced and grazed by cattle.

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

EOTYPE:
GENDESC: Cattle pastures and pine plantations prevalent in area. The

NE1/4 of Section 5 by the road was recently clearcut.

MINELEV: 20 MAXELEV: SIZE: 530

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER: OWNERINFO:

OWNERCOM:

General Comments:

COMMENTS: Aerial photo: FDOT PD4116-4-05; flown 2-19-93. Two disjunct communities, separated by woods road. Additional tenten: 8,4.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS:

BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904) 462-2144.

SOURCECODE: CITATION:

PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-08-18: INDEFINITE BOUNDARY.

DIG.DATES:

TRANSCRIBR: 94-08-18 GES CDREV: Y

MAPPER: 94-12-09 MLE QC: Y

Record Maintenance:

LEADRESP:

EDITION: EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-13	13/37
USFLHP	VVG	95-01-06	51/75
USFLHP	VVG	95-01-06	7
USFLHP	VVG	95-01-06	11/13/15/16/17/18/19/20/21
USFLHP	VVG	95-01-06	COPY

MANUAL.FILE.NOTE:

Optional Fields:

C RD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS: NC.VALUES: NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-08-18: INDEFINITE BOUNDARY.

L DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP: STRATA: COLL/PHOTO#:

Element Occurrence Record
WET FLATWOODS

Identifiers:

Elcode EO# State:
E CODE: CPN0000000*073*FL FONUM: IDENT:
SNAME: WET FLATWOODS
SCOMNAME:
ELEMENT RANKS: GRANK: G? NRANK: SRANK: S4?

Locators:

NATION: US SITECODE: S.USFLHP*6139
SITENAME: HAW CREEK
SURVEYSITE: PNAFLFLAG001; DEANVILLE FLATWOODS

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLFLAG Flagler

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
CODYS CORNER 2908133 8 2,2

LAT: 292123N S: N
LONG: 0812114W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

TOWNRANGE: SECTION: MERIDIAN: TRSNOTE:
C 029E 22 TA E1/2

DIRECTIONS: From Bunnell, go S on US 1 ca. 3.5 miles to CR 304. Turn SW and go 10.5 miles (past Codys Corner) to CR 305. Turn N and go 1.0 mile. EO is on the W side of the road.

PHYSPROV: WATERSHED:
AL 03080103

Status:

SURVEYDATE: 1994-08-18 LASTOBS: 1994-08-18 FIRSTOBS: 1994-08-18
EORANK: C EORANKDATE: 1994-08-18
EORANKCOM: Groundcover lacks diversity- land probably cleared in past.

EODATA: Wet flatwoods in poor condition. Visual estimates of dominant species were: canopy- Pinus elliottii (80% cover, 4-12" DBH, 20-40' tall) and Pinus taeda (10%, ≤18"); subcanopy- Quercus laurifolia (5%, 8", 30') and Diospyros virginiana (<5%, 6"); understory- widely scattered Sabal palmetto (5-10%, 5-15') and Myrica cerifera (<5%, 3-10'); and low diversity groundcover- Axonopus affinis (60%). Understory generally open with many slash pines 1-4' tall. Soil saturated and standing water several inches deep in some areas on 1994-08-18. Intermixed with small areas of mesic flatwoods with Serenoa repens. Trunks of trees charred by recent low intensity fire.

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

NOTYPE:

GENDESC: Cattle pastures and pine plantations prevalent in area.

MINELEV: 10 MAXELEV: 14 SIZE: 110

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER: OWNERINFO:

OWNERCOM:

General Comments:

COMMENTS: Aerial photo: FDOT PD4116-5-08; flown 2-18-93.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS: Y

BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904)
462-2144.

SOURCECODE: CITATION:

PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-08-18: INDEFINITE BOUNDARY.

DIG.DATES:

TRANSCRIBR: 94-08-18 GES CDREV: Y

MAPPER: 94-12-07 MLE QC: Y

Record Maintenance:

LEADRESP:

EDITION: EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-13	37
USFLHP	VVG	95-01-06	51
USFLHP	VVG	95-01-06	7/11/13/15/16/17/20/21/33/
USFLHP	VVG	95-01-06	COPY

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

E .OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS:

NC.VALUES:

NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-08-18: INDEFINITE BOUNDARY.

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP:

STRATA:

COLL/PHOTO#:

Element Occurrence Record
XERIC HAMMOCK

Identifiers:

Elcode EO# State:
E. CODE: CTC0000000*051*FL FONUM: IDENT: Y
SNAME: XERIC HAMMOCK
SCOMNAME:
ELEMENT RANKS: GRANK: G? NRANK: SRANK: S3

Locators:

NATION: US SITECODE: S.USFLHP*6139
SITENAME: HAW CREEK
SURVEYSITE: PNAFLVOLU008; HAW CREEK-SJRWMD

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLVLU Volusia

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
SEVILLE 2908134 2 3,2

LAT: 292118N S: N
LONG: 0812747W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

TOWNRANGE: SECTION: MERIDIAN: TRSNOTE:
C 3028E 22 TA Center

DIRECTIONS: Have 4WD vehicle and aerial photo or quad map in hand. From CR 305 in Seville, go N on US 17 ca. 2.5 mi to Raulerson Road. Turn E and go 1.9 mi to end of pavement. Pass through locked gate (SJRWMD lock), and continue E on dirt road for ca. 0.25 mi, then turn N and go ca. 800', then E ca. 500' to hunt camp cabin. Park here in middle of EO.

PHYSPROV: WATERSHED:
AL 03080103

Status:

SURVEYDATE: 1994-10-14 LASTOBS: 1994-10-14 FIRSTOBS: 1994-10-14
EORANK: B EORANKDATE: 1994-10-14
EORANKCOM: Large oaks numerous. No stumps present. No evidence of recent disturbance except near hunt camp cabin.

EODATA: Xeric hammock extending over ca. 30 acres. Very open understory made for easy walking. Visual estimates of dominant species were: canopy- Quercus geminata (65% cover, 12-20" DBH, 30-40' tall), Q. hemisphaerica (5%, ≤20", 50'), Q. nigra (5%, 12-20", 20-40'), and Pinus palustris (5%, 8-12", 30-50'); understory- Sabal palmetto (1%) and Vaccinium stamineum (1%); and groundcover- Aristida stricta (5%). A layer of leaf litter covered the ground. One Gopherus polyphemus active burrow was observed at the SW corner of the planted pine block. One adult Coluber constrictor (black racer snake) ca. 36" long was also

observed.

CONTACTID:
CONTACT.NOTE:

CONTACT.NAME:

Description:

EOTYPE:

GENDESC: The xeric hammock had a five acre block of longleaf pines planted in its E side. Planted slash pines grew to the N and W. It graded into hydric hammock and to the N, E and S.

MINELEV: 10 MAXELEV: 35 SIZE: 30

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER: ST. JOHNS RIVER WATE OWNERINFO:
OWNERCOM: Purchased in early 1994 by St. Johns River Water Management District from Georgia-Pacific Corporation. Steve Miller (SJRWMD Land Management Coordinator; phone: 904-329- 4399) is in charge of implementing management plan for the tract.

General Comments:

COMMENTS: Aerial photo: FDOT PD4038-4-19; flown 3-3-92.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS: Y
BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904) 462-2144.

SOURCECODE: CITATION:
PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY
DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-10-14: INDEFINITE BOUNDARY.

DIG.DATES:

TRANSCRIBR: 94-10-14 GES CDREV: Y
MAPPER: 94-12-08 MLE QC: Y

Record Maintenance:

LEADRESP:

EDITION:

EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-27	37
USFLHP	VVG	95-01-09	7/11/13/15/16/17/20/21/33/
USFLHP	VVG	95-01-09	COPY

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS:

NC.VALUES:

NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-10-14: INDEFINITE BOUNDARY.

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP:

STRATA:

COLL/PHOTO#:

Element Occurrence Record
GOPHERUS POLYPHEMUS

Identifiers:

Elcode EO# State:
ECCODE: ARAAF01030*914*FL FONUM: IDENT: Y
SNAME: GOPHERUS POLYPHEMUS
SCOMNAME: GOPHER TORTOISE
ELEMENT RANKS: GRANK: G3 NRANK: SRANK: S3

Locators:

NATION: US SITECODE: S.USFLHP*6139
SITENAME: HAW CREEK
SURVEYSITE: PNAFLVOLUME008; HAW CREEK - SJRWMD

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLVOLUME Volusia

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
SEVILLE 2908134 3 3,2

LAT: 292118N S:
LONG: 0812747W N:
E:
W:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

TORANGE: SECTION: MERIDIAN: TRSNOTE:
C S028E 22 TA

DIRECTIONS: Have 4WD vehicle and aerial photo or quad map in hand. From CR 305 in Seville, go north on US 17 ca. 2.5 miles to Raulerson Road. Turn east and go 1.9 miles to end of pavement. Pass through locked gate (SJRWMD lock), and continue east on dirt road for ca. 0.25 mile, then turn north and go ca. 800', then east ca. 500' to hunt camp cabin. This is middle of Xeric Hammock #051.

PHYS PROV: WATERSHED:
AL 03080103

Status:

SURVEYDATE: 1994-10-14 LASTOBS: 1994-10-14 FIRSTOBS: 1994-10-14
EORANK: EORANKDATE:
EORANKCOM:

EODATA: Schultz observed one active burrow at the southwest corner of the planted pine block.

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

EOTYPE:

3ENDESC: Xeric hammock with very open understory. See community EOR
for details.

MINELEV: 10 MAXELEV: SIZE:

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER: ST. JOHNS RIVER WATE OWNERINFO:
OWNERCOM: Steve Miller (SJRWMD Land Management Coordinator; Phone:
904-329-4399).

General Comments:

COMMENTS:

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: PHOTOS:
BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904)
462-2144.

SOURCECODE: CITATION:
PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY
DIG.METHOD:

DIG.COM:

DIG.DATES:

TRANSCRIBR: 94-12-09 MLE CDREV: Y
MAPPER: 94-12-09 MLE QC: Y

Record Maintenance:

LEADRESP:

EDITION: EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-12	37/44
USFLHP	VVG	95-01-09	4/6/7/9/11/13/14/15/16/17/

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

F OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS:

NC.VALUES:

NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM:

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP:

STRATA:

COLL/PHOTO#:

Element Occurrence Record
HALIAEETUS LEUCOCEPHALUS

Identifiers:

Elcode EO# State:
ECCODE: ABNKC10010*607*FL FONUM: IDENT: Y
SNAME: HALIAEETUS LEUCOCEPHALUS
SCOMNAME: BALD EAGLE
ELEMENT RANKS: GRANK: G3 NRANK: SRANK: S2S3

Locators:

NATION: US SITECODE: S.USFLHP*6139
SITENAME: HAW CREEK
SURVEYSITE:

PRECISION: M

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLFLAG Flagler

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
ST. JOHNS PARK 2908144 11 3,6

LAT: 292542N S:
LONG: 0812748W N:
E:
W:

COORD.COM:

TOWNRANGE: SECTION: MERIDIAN: TRSNOTE:
0 0028E 42 TA NW4 (GFC DATA SHEET: SEC 27, SE4)

DIRECTIONS: SE CRESCENT LAKE, CA. 1.7 AIR MI. WNW OF MOUTH OF BULL CREEK
ON DEAD LAKE.

PHYSPROV: WATERSHED:
AL 03080103

Status:

SURVEYDATE: LASTOBS: 1991 FIRSTOBS: 1991
EORANK: EORANKDATE:
EORANKCOM:

EODATA: NEST; 1991: PRODUCED 1 YOUNG.

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

EOTYPE:
GENDESC:

MINELEV: 5 MAXELEV: SIZE: 0

Protection:

M ODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER:

OWNERINFO:

OWNERCOM:

General Comments:

COMMENTS: GFC NEST #FL 01 (GRIMSLEY NECK). (GFC LAT 2925.7 LONG 8127.8
PLACE NEST IN SEC 42.)

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS: 75D

Documentation:

DATASENS: BOUNDARIES: PHOTOS:

BESTSOURCE: FLORIDA GAME AND FRESH WATER FISH COMMISSION. 1992. BALD
EAGLE NESTING DATA.

SOURCECODE: CITATION:

U92GFC01FLUS FLORIDA GAME AND FRESH WATER FISH COMMISSION. 1992. BALD EAGLE NE

SPECIMENS:

CONTRACT:

DIG.METHOD:

DIG.COM:

DIG.DATES:

TRANSCRIBR: 92-09-01 TKH CDREV: Y

MAPPER: 92-09-02 TKH QC: Y

Record Maintenance:

LEADRESP:

EDITION: EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-31	7
USFLHP	JA	94-08-10	89
USFLHP	VVG	93-06-21	37
USFLHP	VVG	93-05-18	4/6/9/11/13/14/15/16/17/18

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM:

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT:

ECOREGION: 75D

F OPT7:

NC.FIELDS:
75D

NC.VALUES:

NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM:

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP:

STRATA:

COLL/PHOTO#:

Element Occurrence Record
PYCNANTHEMUM FLORIDANUM

Identifiers:

Elcode EO# State:

E JDE: PDLAM1N060*005*FL FONUM: IDENT: Y
SNAME: PYCNANTHEMUM FLORIDANUM
SCOMNAME: FLORIDA MOUNTAIN-MINT
ELEMENT RANKS: GRANK: G3 NRANK: SRANK: S3

Locators:

NATION: US SITECODE: S.USFLHP*6139
SITENAME: HAW CREEK
SURVEYSITE:

PRECISION: M

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLFLAG Flagler

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
ST. JOHNS PARK 2908144 4

LAT: 292526 S: 0
LONG: 0812521 N: 0
E: 0
W: 0

COORD.COM:

TOWNRANGE: SECTION: MERIDIAN: TRSNOTE:
0 028E 25 TA

DIRECTIONS: NEAR ST. JOHNS PARK [MAPPED ALONG SR 318].

PHYS PROV: WATERSHED:
AL 03080103

Status:

SURVEYDATE: LASTOBS: 1942-06-25 FIRSTOBS:
EORANK: EORANKDATE:
EORANKCOM:

EODATA: 1942-06-25: FLOWERING.

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

EOTYPE:
GENDESC: FLATWOODS.

MINELEV: 5 MAXELEV: SIZE: 0

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER:

OWNERINFO:

OWNERCOM:

General Comments:

COMMENTS: EO NEEDS UPDATING AND MORE PRECISE LOCATION.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS: 75D

Documentation:

DATASENS: BOUNDARIES: PHOTOS:

BESTSOURCE: WEST, E. AND L. ARNOLD. 25 JUNE 1942. SPECIMEN #6730 UF.

SOURCECODE: CITATION:

S42WESUFFLUS

SPECIMENS:

CONTRACT:

DIG.METHOD:

DIG.COM:

DIG.DATES:

TRANSCRIBR: 83-09-30 HFB CDREV: Y

MAPPER: 83-09-30 HFB QC: Y

Record Maintenance:

LEADRESP:

EDITION: EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-31	4/7
USFLHP	JA	94-08-10	89
USFLHP	BJM	88-03-02	ALL

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM:

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT:

ECOREGION: 75D

EOR.OPT7:

NC.FIELDS:
75D

NC.VALUES:

NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM:

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP:

STRATA:

COLL/PHOTO#:

Element Occurrence Record
MESIC FLATWOODS

Identifiers:

Elcode EO# State:
L JDE: CTE0000000*165*FL FONUM: IDENT: Y
SNAME: MESIC FLATWOODS
SCOMNAME:
ELEMENT RANKS: GRANK: G? NRANK: SRANK: S4

Locators:

NATION: US SITECODE: S.USFLHP*6148
SITENAME: HULETT BRANCH
SURVEYSITE: PNAFLFLAG017; HULETT BRANCH FLATWOODS

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLFLAG Flagler

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
ESPANOLA 2908153 15 8,1
DINNER ISLAND NE 2908163 15 8,10

LAT: 293717N S: N
LONG: 0811654W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

T RANGE: SECTION: MERIDIAN: TRSNOTE:
01US030E 21 TA

DIRECTIONS: From Pellicer Creek at the county line, go S on US 1 ca. 2.0
mi. EO is on E and W sides of US 1.

PHYS PROV: WATERSHED:
AL 03080201

Status:

SURVEYDATE: 1994-06-30 LASTOBS: 1994-06-30 FIRSTOBS: 1994-06-30
EORANK: B-C EORANKDATE: 1994-06-30
EORANKCOM: Dense Serenoa repens limited herbaceous diversity.

EODATA: Mesic flatwoods in good (but unburned) condition. The 50%
canopy cover was dominated by an even mixture of Pinus
palustris and P. elliotii of various ages with the largest
ca. 12" (18" maximum) DBH and 40-50' tall. Dense Serenoa
repens (90% cover, 3-7' tall) grew below with widely
scattered openings. Aristida sp., Pteridium aquilinum, and a
thick layer of pine needles dominated the groundcover. Few
young P. palustris were observed. The EO was divided into
two similar parts by US 1: the E and W parts covered ca. 65
and 40 acres, respectively.

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

OTYPE:

GENDESC: The E and W blocks of mesic flatwoods are surrounded by pine plantations except to the S (on the E side of US 1) where Palm Coast subdivision contained scattered houses.

LINELEV: 15 MAXELEV: 25 SIZE: 85

Protection:

ACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM: Needs to be burned on a regular schedule.

PROTCOM:

Ownership:

OWNER: OWNERINFO:

OWNERCOM:

General Comments:

COMMENTS: Aerial photo: FDOT PD4116-8-23; Flown 2-18-93.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS: Y

BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904) 462-2144.

SOURCECODE: CITATION:

PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-06-30: INDEFINITE BOUNDARY.

DIG.DATES:

TRANSCRIBR: 94-06-30 GES CDREV: Y

MAPPER: 94-12-14 MLE QC: Y

Record Maintenance:

LEADRESP:

EDITION: EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-12	37/46
USFLHP	VVG	95-01-09	7/9/11/13/15/16/17/20/21/3
USFLHP	VVG	95-01-09	COPY

MANUAL.FILE.NOTE:

Optional Fields:

C D.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS: NC.VALUES: NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-06-30: INDEFINITE BOUNDARY.

D. DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP: STRATA: COLL/PHOTO#:

Element Occurrence Record
FLOODPLAIN SWAMP

Identifiers:

Elcode EO# State:
E CODE: CPC0000000*051*FL FONUM: IDENT: Y
SNAME: FLOODPLAIN SWAMP
SCOMNAME:
ELEMENT RANKS: GRANK: G? NRANK: SRANK: S4?

Locators:

NATION: US SITECODE: S.USFLHP*6151
SITENAME: LAKE DISSTON
SURVEYSITE: PNAFLFLAG025; LAKE DISSTON SOUTH

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLFLAG Flagler
FLVLU Volusia

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
SEVILLE 2908134 17 9,10

LAT: 291541N S: N
LONG: 0812334W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

T RANGE: SECTION: MERIDIAN: TRSNOTE:
014S029E 20 TA

DIRECTIONS: Must have 4WD vehicle. From US 17 in Barberville, go E on SR 40 ca. 3.3 miles to graded dirt road on N side. Turn N and follow this rough and sometimes muddy road (Truck Trail #11) ca. 4.0 miles (passing fern nursery on W side) to the end at a 3-way intersection. Turn W and follow the jeep trail along the county line for ca. 1.0 mi to end. Park here at NW corner of SJRWMD land, cross ditch and fence, then walk W along dirt road ca. 0.5 mi to swamp. EO is N and S of this road.

PHYS PROV: WATERSHED:
AL 03080103

Status:

SURVEYDATE: 1994-09-14 LASTOBS: 1994-09-14 FIRSTOBS: 1994-09-14
EORANK: A-B EORANKDATE: 1994-09-14
EORANKCOM: High plant species diversity. Many large trees (average 12", many ≤20" DBH). Few old stumps observed. No sign of recent disturbance.

EODATA: Floodplain swamp ca. 1000' wide by the road in Section 20 SE1/4SE1/4SW1/4. Visual estimates of dominant species were: canopy (100% cover) - Nyssa biflora (40% cover, ≤18" DBH, 40-50'tall), Taxodium ascendens (10%, ≤20", 50'), Gordonia lasianthus (30%, ≤12"), and Magnolia virginiana (10%, ≤20"); subcanopy - Gordonia lasianthus (10%), Myrica cerifera (5%),

and Ilex cassine (5%); understory - Lyonia lucida (50%, 3-10'); and groundcover - Blechnum serrulatum (10%), and Osmunda cinnamomea (10%). Open water (≤ 18 " deep on 1994-09-14) covered ca. 60+% of the ground. Water flowed N through 4' diameter culverts under road. A 20' wide canal was on the S side of the road and a perpendicular canal ran S through the swamp for ca. 200' at the main culverts. These canals were overgrown with vegetation like Saururus cernuus and Nymphaea odorata.

CONTACTID:
CONTACT.NOTE:

CONTACT.NAME:

Description:

EOTYPE:

GENDESC: Floodplain swamp broadening out to the N to join with Lake Disston. Connects with baygalls to the S (VOLU09). Pasture and planted pines border the swamp. Fern nurseries were to the SW and SE of the swamp.

MINELEV: 15 MAXELEV: 20 SIZE: 200

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER:

OWNERINFO:

OWNERCOM: Posted by Evans Farm, Orange City, FL.

General Comments:

COMMENTS: Also part of PNA VOLU09. Aerial photos: Flagler County- FDOT PD 4116- 4-01, flown 2-19-93; and Volusia County FDOT PD4038-6-18, flown 1-21-92.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS: Y

BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904) 462-2144.

SOURCECODE: CITATION:

PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-09-14: INDEFINITE BOUNDARY.

DIG.DATES:
T DESCRIBR: 94-09-14 GES CDREV: Y
MAPER: 94-12-09 MLE QC: Y

Record Maintenance:

LEADRESP:
EDITION: EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-12	37
USFLHP	VVG	95-01-09	53/54
USFLHP	VVG	95-01-09	6/7/11/13/15/16/17/20/21/3
USFLHP	VVG	95-01-09	COPY

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS: NC.VALUES: NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-09-14: INDEFINITE BOUNDARY.

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP: STRATA: COLL/PHOTO#:

Element Occurrence Record
FLOODPLAIN SWAMP

Identifiers:

Elcode EO# State:
E JDE: CPC0000000*047*FL FONUM: IDENT: Y
SNAME: FLOODPLAIN SWAMP
SCOMNAME:
ELEMENT RANKS: GRANK: G? NRANK: SRANK: S4?

Locators:

NATION: US SITECODE: S.USFLHP*6143
SITENAME: MIDDLE HAW CREEK
SURVEYSITE: PNAFLFLAG010; MIDDLE HAW CREEK-CR 304

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLFLAG Flagler

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
CODYS CORNER 2908133 4 6,3
BUNNELL 2908143 15 4,10

LAT: 292054N S: N
LONG: 0811803W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

T RANGE: SECTION: MERIDIAN: TRSNOTE:

013S030E 29 TA
013S029E 11 TA

DIRECTIONS: From Bunnell, go S on US 1 ca. 3.5 miles to CR 304. Turn SW and go 7 miles to the Middle Haw Creek bridge. EO is on the E and W sides of the road.

PHYS PROV: WATERSHED:
AL 03080103

Status:

SURVEYDATE: 1994-07-13 LASTOBS: 1994-07-13 FIRSTOBS: 1994-07-13
EORANK: C-D EORANKDATE: 1994-07-13
EORANKCOM: Groundcover lacks diversity - some of land probably cleared in past. Active cattle grazing. Creek channelized for 2000'.

EODATA: Very narrow floodplain swamp in poor condition with disturbed groundcover. In Section 29 NW1/4, visual estimates of dominant species were: canopy - Taxodium ascendens (30-60% cover, 8-15" DBH, 30-40' tall) and Nyssa biflora (20%); subcanopy - Fraxinus caroliniana (20%), Sabal palmetto (10%), Crataegus sp. (10%), Sabal palmetto (10%), and Myrica cerifera (10%); and groundcover - Axonopus affinis, Diodea virginiana, Centella asiatica, and Pluchea rosea in the cleared fringe and Saururus cernuus and Panicum spp. under the Taxodium. Disturbed by cattle grazing. Quercus virginiana/Q. laurifolia/Sabal palmetto hammock was along edge of floodplain swamp. In Section 19 by SR 11, the

floodplain swamp was cleared along the excavated creek channel and utilized as cattle pasture.

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

EOTYPE:

GENDESC: Middle Haw Creek channelized and deepened near bridges. Very narrow floodplain corridor NW of Section 29 SE1/4NW1/4. Groundcover disturbed by cattle grazing. The center of Section 29 appeared to be in better condition during the aerial survey but was not ground checked.

MINELEV: MAXELEV: 10 SIZE: 400

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER: OWNERINFO:

OWNERCOM:

General Comments:

COMMENTS: Aerial photos: FDOT PD4116-06-10, and 7-07 to 7-09; flown 2-18-93.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS: Y

BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904) 462-2144.

SOURCECODE: CITATION:

PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-07-13: INDEFINITE BOUNDARY.

DIG.DATES:

TRANSCRIBR: 94-07-13 GES CDREV: Y

MAPPER: 94-12-05 MLE QC: Y

Record Maintenance:

LEADRESP:

EDITION:

EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-13	37
USFLHP	VVG	95-01-06	7/9/11/13/15/16/17/18/19/2
USFLHP	VVG	95-01-06	COPY

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS:

NC.VALUES:

NC.VALUE.COM:

E OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-07-13: INDEFINITE BOUNDARY.

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP:

STRATA:

COLL/PHOTO#:

Element Occurrence Record
HYDRIC HAMMOCK

Identifiers:

Elcode EO# State:
ECODE: CPU0000000*034*FL FONUM: IDENT: Y
SNAME: HYDRIC HAMMOCK
SCOMNAME:
ELEMENT RANKS: GRANK: G? NRANK: SRANK: S4?

Locators:

NATION: US SITECODE: S.USFLHP*6143
SITENAME: MIDDLE HAW CREEK
SURVEYSITE: PNAFLFLAG010; MIDDLE HAW CREEK-CR 304

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLFLAG Flagler

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
CODYS CORNER 2908133 6 6,3

LAT: 292052N S: N
LONG: 0811800W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

TOWNRANGE: SECTION: MERIDIAN: TRSNOTE:
0 030E 29 TA NW1/4

DIRECTIONS: From Bunnell, go S on US 1 ca. 3.5 miles to CR 304. Turn SW and go 7 miles to the Middle Haw Creek bridge. EO is on the E side of the road along the E side of the floodplain swamp.

PHYS PROV: WATERSHED:
AL 03080103

Status:

SURVEYDATE: 1994-07-13 LASTOBS: 1994-07-13 FIRSTOBS: 1994-07-13
EORANK: C-D EORANKDATE: 1994-07-13
EORANKCOM: Groundcover lacks diversity - impacted by cattle grazing and possibly lowered water table due to channelizing of Middle Haw Creek.

EODATA: Hydric hammock ca. 200' wide extending along the creek with Sabal palmetto of many ages. Visual estimates of dominant species were: canopy - Sabal palmetto (30- 50% cover, 20-40' tall), Quercus virginiana (20%, ≤18" DBH, 40'), and Q. laurifolia (20%); understory - Sabal palmetto seedlings; and low diversity groundcover - Chasmanthium nitidum and Panicum sp. Soil saturated in some areas but generally dry.

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

EOTYPE:

SENDESC: Hydric hammock in poor condition. Understory generally open.
Cattle trails and grazing evident. Floodplain swamp to the W
and wet flatwoods to the E.

MINELEV: 10 MAXELEV: SIZE: 15

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER: OWNERINFO:

OWNERCOM:

General Comments:

COMMENTS: Aerial photo: PD4116-07-08; flown 2-18-93.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS: Y

BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904)
462-2144.

SOURCECODE: CITATION:

PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-07-13: INDEFINITE BOUNDARY.

DIG.DATES:

TRANSCRIBR: 94-07-13 GES CDREV: Y

MAPPER: 94-12-06 MLE QC: Y

Record Maintenance:

LEADRESP:

EDITION: EDAUTHOR:

Maintenance History:

OFFICE: INITIALS: CHANGE.DATE: CHANGE.FIELDS:

USFLHP VVG 95-01-13 35/37

USFLHP VVG 95-01-06 7/11/15/16/17/20/21/23/33/

USFLHP VVG 95-01-06 COPY

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

F OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS: NC.VALUES: NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PND SCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-07-13: INDEFINITE BOUNDARY.

DIG.DATES:

E .OPT16:

EOR.OPT17:

PLANT.SPP: STRATA: COLL/PHOTO#:

Element Occurrence Record
WET FLATWOODS

Identifiers:

Elcode EO# State:
ECCODE: CPN0000000*072*FL FONUM: IDENT: Y
SNAME: WET FLATWOODS
SCOMNAME:
ELEMENT RANKS: GRANK: G? NRANK: SRANK: S4?

Locators:

NATION: US SITECODE: S.USFLHP*6143
SITENAME: MIDDLE HAW CREEK
SURVEYSITE: PNAFLFLAG010; MIDDLE HAW CREEK-CR 304

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLFLAG Flagler

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
CODYS CORNER 2908133 5 7,3

LAT: 292059N S: N
LONG: 0811757W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

T' RANGE: SECTION: MERIDIAN: TRSNOTE:
0. 030E 29 TA NW1/4, NW1/4

DIRECTIONS: From Bunnell, go S on US 1 ca. 3.5 miles to CR 304. Turn SW
and go 7 miles to the Middle Haw Creek bridge. EO is on the
E side of the road.

PHYS PROV: WATERSHED:
AL 03080103

Status:

SURVEYDATE: 1994-07-13 LASTOBS: 1994-07-13 FIRSTOBS: 1994-07-13
EORANK: D EORANKDATE: 1994-07-13
EORANKCOM: Groundcover lacks diversity - ground probably cleared in
past.

EODATA: Wet flatwoods with slash pines of many ages. Visual
estimates of dominant species were: canopy - Pinus elliottii
[30-60% cover, 4-8" (rarely 16") DBH, 20-40' tall), Quercus
virginiana and Q. laurifolia (10%); subcanopy - Sabal
palmetto (50%, 5-50') and Myrica cerifera (5%); understory -
Serenoa repens (20%); and low diversity groundcover -
Amphicarpum muhlenbergianum (30%) and Axonopus affinis
(30%). Rarely intermixed with small areas of mesic
flatwoods. Understory generally open. Active cattle grazing.
Soil saturated in some small areas.

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

EOTYPE:

3ENDESC: Wet flatwoods in poor condition separated from Haw Creek floodplain by narrow band of hydric hammock.

MINELEV: 10 MAXELEV: 15 SIZE: 70

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER: OWNERINFO:

OWNERCOM:

General Comments:

COMMENTS: Aerial photo: FDOT PD4116-07-08; flown 2-18-93.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS: Y

BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904) 462-2144.

SOURCECODE: CITATION:

PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-07-13: INDEFINITE BOUNDARY.

DIG.DATES:

TRANSCRIBR: 94-07-13 GES CDREV: Y

MAPPER: 94-12-06 MLE QC: Y

Record Maintenance:

LEADRESP:

EDITION: EDAUTHOR:

Maintenance History:

OFFICE: INITIALS: CHANGE.DATE: CHANGE.FIELDS:

USFLHP VVG 95-01-13 37

USFLHP VVG 95-01-06 7/11/13/15/16/17/18/20/21/

USFLHP VVG 95-01-06 COPY

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EC...OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS:

NC.VALUES:

NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-07-13: INDEFINITE BOUNDARY.

DT...DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP:

STRATA:

COLL/PHOTO#:

Element Occurrence Record
BASIN SWAMP

Identifiers:

Elcode EO# State:
E JDE: CPK0000000*036*FL FONUM: IDENT: Y
SNAME: BASIN SWAMP
SCOMNAME:
ELEMENT RANKS: GRANK: G4? NRANK: SRANK: S3

Locators:

NATION: US SITECODE: S.USFLHP*6147
SITENAME: PRINGLE SWAMP
SURVEYSITE: PNAFLFLAG016

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLFLAG Flagler

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
ESPANOLA 2908153 12 8,7

LAT: 293231N S: N
LONG: 0811633W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

TOWNRANGE: SECTION: MERIDIAN: TRSNOTE:
0 030E 16 TA SE1/4

DIRECTIONS: From SR 13 in Bunnell, go N on US 1 ca. 5 miles. Turn W on the paved Hargrove Grade. For Section 16 SE1/4, go 0.5 mile. Turn S onto a dirt road and go 0.4 mile. Continue S on woods road another 0.25 mile. Park here and walk SW ca. 0.2 mile to EO. For NW1/4, go 1 mile, cross railroad tracks, and continue 0.25 mile on dirt road. EO is on N and S sides of road.

PHYSPROV: WATERSHED:
AL 03080201
03080103

Status:

SURVEYDATE: 1994-06-30 LASTOBS: 1994-06-30 FIRSTOBS: 1994-06-30
EORANK: B-C EORANKDATE: 1994-06-30
EORANKCOM: Large cypress observed but adjacent uplands recently logged.

EODATA: Dominant species were visually estimated. In Section 16 SE 1/4, many large Taxodium ascendens (≤ 24 " DBH) grew in a good condition basin swamp. Dominant species were: canopy- Taxodium ascendens (35% cover, 18-24" DBH, 50' tall), Nyssa biflora (35%), and Pinus elliottii (10%); subcanopy- Acer rubrum, Persea palustris, and Gordonia lasianthus; understory- Lyonia lucida (60%), Myrica cerifera (10%), Rubus argutus (5%) and Cephalanthus occidentalis (5%); groundcover- Osmunda cinnamomea (50%), O. regalis (20%), and Blechnum serrulatum (10%). No standing water. Low light

beneath dense canopy. Cutover area on drier ground N of swamp. In Section 16 NW 1/4, the basin swamp was ca. 500' wide E-W. Dominant species were: Taxodium ascendens (30% cover, ≤12" DBH, 40' tall), Nyssa biflora (50%), Magnolia virginiana (10%), Pinus elliottii (5%), Acer rubrum (5%), and Myrica cerifera. No standing water on 1994-06-30. Clearcut areas of planted pine on drier ground W of swamp.

CONTACTID:
CONTACT.NOTE:

CONTACT.NAME:

Description:

EOTYPE:

GENDESC: Pine plantations dominated surrounding land use. An industrial park was along Hargrove Grade in Section 16 NE 1/4 between the railroad tracks and US 1. Part of Palm Coast Development was E of US 1.

MINELEV: 30 MAXELEV: SIZE: 1600

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER: OWNERINFO:
OWNERCOM:

General Comments:

COMMENTS: Aerial photos: FDOT PD4116-8-16 to 8-21 and 7A-11; flown 2-18-93.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS: Y
BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904) 462-2144.

SOURCECODE: CITATION:
PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY
DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP DATE: 1994-06-30: INDEFINITE BOUNDARY.

DIG.DATES:
TRANSCRIBER: 94-06-30 GES CDREV: Y
MAPPER: 94-12-14 MLE QC: Y

Record Maintenance:

LDRESP:

EDITION:

EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-12	37
USFLHP	VVG	95-01-09	7/11/13/15/16/17/20/21/33/
USFLHP	VVG	95-01-09	COPY

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS:

NC.VALUES:

NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-06-30: INDEFINITE BOUNDARY.

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP:

STRATA:

COLL/PHOTO#:

Element Occurrence Record
WET FLATWOODS

Identifiers:

Elcode EO# State:
ECCODE: CPN0000000*071*FL FONUM: IDENT: Y
SNAME: WET FLATWOODS
SCOMNAME:
ELEMENT RANKS: GRANK: G? NRANK: SRANK: S4?

Locators:

NATION: US SITECODE: S.USFLHP*6147
SITENAME: PRINGLE SWAMP
SURVEYSITE: PNAFLFLAG016; PRINGLE SWAMP FLATWOODS

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLFLAG Flagler

QUADNAME:	QUADCODE:	MARGNUM:	DOTNUM:	TENTEN:
ESPANOLA	2908153	10		9,10
BUNNELL	2908143	14		9,1

LAT: 293003N S: N
LONG: 0811557W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

T. RANGE: SECTION: MERIDIAN: TRSNOTE:
011S030E 34 TA E1/2W1/2

DIRECTIONS: From Bunnell, go N on US 1 ca. 1.3 miles N of SR 13. EO is on the W side of US 1.

PHYSPROV: WATERSHED:
AL 03080201

Status:

SURVEYDATE: 1994-06-30 LASTOBS: 1994-06-30 FIRSTOBS: 1994-06-30
EORANK: C EORANKDATE: 1994-06-30
EORANKCOM: No large pines observed.

EODATA: Wet flatwoods in fair condition and with slash pines of many ages. Visual estimates of dominant species were Pinus elliotii (20-80% cover, 4-8" DBH, 10-35' tall), Ilex glabra, and Amphicarpum muhlenbergianum. One small colony of Helianthus carnosus was located along the W edge of the US 1 swale.

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

E PE:
GENDESC: Intermixed with larger areas of mesic flatwoods with Pinus elliotii (50-75% cover, 6-10" DBH, 40' tall maximum) and Serenoa repens (90%, 3-5'). Planted pines cover the W 1/4 of

Section 34 and dominate surrounding land use.

MINELEV: 25 MAXELEV: SIZE: 65

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM: Needs to be burned.

PROTCOM:

Ownership:

OWNER: OWNERINFO:

OWNERCOM:

General Comments:

COMMENTS: Aerial photo: FDOT PD4116-8-16; flown 2-18-93.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS: Y
BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904)
462-2144.

SOURCECODE: CITATION:
PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-06-30: INDEFINITE BOUNDARY.

DIG.DATES:

TRANSCRIBR: 94-06-30 GES CDREV: Y

MAPPER: 94-12-05 MLE QC: Y

Record Maintenance:

LEADRESP:

EDITION: EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-12	37/38
USFLHP	VVG	95-01-09	7/9/11/13/15/16/17/20/21/3
USFLHP	VVG	95-01-09	COPY

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS: NC.VALUES: NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-06-30: INDEFINITE BOUNDARY.

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP: STRATA: COLL/PHOTO#:

Element Occurrence Record
HELIANTHUS CARNOSUS

Identifiers:

Elcode EO# State:
ECCODE: PDAST4N0A0*009*FL FONUM: IDENT: Y
SNAME: HELIANTHUS CARNOSUS
SCOMNAME: LAKE-SIDE SUNFLOWER
ELEMENT RANKS: GRANK: G1G2 NRANK: SRANK: S1S2

Locators:

NATION: US SITECODE: S.USFLHP*6147
SITENAME: PRINGLE SWAMP
SURVEYSITE: PNAFLFLAG016; PRINGLE SWAMP FLATWOODS

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLFLAG Flagler

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
ESPANOLA 2908153 11 9,10

LAT: 293001N S: N
LONG: 0811556W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

T' RANGE: SECTION: MERIDIAN: TRSNOTE:
0. 030E 34 TA SE1/4NE1/4SW1/4

DIRECTIONS: From SR 13 on the N side of Bunnell, go N on US 1 for 1.3 miles. EO is on the W side of US 1 at the top of the roadside swale.

PHYSPROV: WATERSHED:
AL 03080201

Status:

SURVEYDATE: 1994-06-30 LASTOBS: 1994-06-30 FIRSTOBS: 1994-06-30
EORANK: B-C EORANKDATE: 1994-06-30
EORANKCOM: Very small area of suitable habitat.

EODATA: One small colony of 35 Helianthus carnosus plants was observed at the top edge of the US 1 swale. The plants grew in an area of 10' by 20' with an eastern exposure. Six open flowers and ten closed flower buds were observed at 3:30 PM. Both large and small plants were present. The soil was damp from recent rains and the swale had 4" of standing water.

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

E PE:
GENDESC: Wet flatwoods in fair condition and with slash pines of many ages. Dominant species were Pinus elliottii (100% cover, 4-8" DBH, 10-35' tall), Ilex glabra, Amphicarpum

muhlenbergianum, Axonopus furcatus, and Aristida stricta. Bacopa caroliniana and Centella asiatica were growing in the ditch. The wet flatwoods were intermixed with larger areas of mesic flatwoods with Pinus elliottii (50-75% cover, 6-10" DBH, 40' tall maximum) and Serenoa repens (90%, 3-5'). Planted pines cover the W 1/4 of Section 34 and dominate surrounding land use. Subdivision (part of Palm Coast Development) was E of US 1. Florida Power and Light substation entrance road was 0.25 mi S of Helianthus.

MINELEV: 25 MAXELEV: SIZE: 200 square f

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM: Needs to be burned.

PROTCOM:

Ownership:

OWNER: OWNERINFO:
OWNERCOM:

General Comments:

COMMENTS: Aerial photo: FDOT PD4116-08-16; flown 2-18-93.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: PHOTOS: Y
BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904)
462-2144.

SOURCECODE: CITATION:

PNSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY

DIG.METHOD:

DIG.COM:

DIG.DATES:

TRANSCRIBR: 94-06-30 GES CDREV: Y
MAPPER: 94-12-05 MLE QC: Y

Record Maintenance:

LEADRESP:

EDITION: EDAUTHOR:

Maintenance History:

OFFICE: INITIALS: CHANGE.DATE: CHANGE.FIELDS:

USFLHP	VVG	95-01-12	37
USFLHP	VVG	95-01-09	33
USFLHP	VVG	95-01-09	7/11/13/15/16/17/20/21/34/
USFLHP	VVG	95-01-09	COPY

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS: NC.VALUES: NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

D METHOD:

DIG.COM:

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP: STRATA: COLL/PHOTO#:

Element Occurrence Record
BAYGALL

Identifiers:

Elcode EO# State:
ECODE: CPS0000000*042*FL FONUM: IDENT: Y
SNAME: BAYGALL
SCOMNAME:
ELEMENT RANKS: GRANK: G4? NRANK: SRANK: S4?

Locators:

NATION: US SITECODE: S.USFLHP*6145
SITENAME: TANK LAKE
SURVEYSITE: PNAFLFLAG012; BLACK LAKE BAYGALL

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLFLAG Flagler

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
ESPANOLA 2908153 13 5,7

LAT: 293221N S: N
LONG: 0811927W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

TOWNRANGE: SECTION: MERIDIAN: TRSNOTE:

011S029E 13 TA
011S030E 19 TA

DIRECTIONS: Go 2.3 miles NW of SR 205 at Espanola on Old Brick Road (SR 13) to powerline. EO is W of here.

PHYSPROV: WATERSHED:
AL 03080103

Status:

SURVEYDATE: 1994-07-14 LASTOBS: 1994-07-14 FIRSTOBS: 1994-07-14
EORANK: B-C EORANKDATE: 1994-07-14
EORANKCOM: Recent clearcut of pines had disturbed edges of EO.

EODATA: Baygall surrounding 3 blackwater lakes. In Section 13 SE1/4 SE1/4, visual estimates of dominant species were: dense Gordonia lasianthus (80% cover, ≤12" DBH, and 40' tall), Pinus elliottii (10%, ≤18" DBH, 40'), Lyonia lucida (35%, 1-8') and Woodwardia virginiana (20%). The subcanopy consisted of younger Gordonia (50% cover). The 6+" thick leaf litter was dry on 1994-07-14; ordinary high water appeared to be 6-12".

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

EOTYPE:
GENDESC: Planted slash pines dominate the surrounding areas. The

mesic flatwoods immediately surrounding the EO in Sections 13 and 24 were recently clearcut. Black Lake, Tank Lake, and Speckled Perch Lake were swamp lakes with ca. 55, 35, and 50 acres of open water, respectively. Mature scrub [EO*497] covered ca. 240 acres W of Tank Lake.

MINELEV: 40 MAXELEV: 45 SIZE: 310

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER: OWNERINFO:

OWNERCOM:

General Comments:

COMMENTS: Two disjunct communities; additional tenten = 4,7. Aerial photos: FDOT PD4116-6-20 and 6-21; flown 2-18-93.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS: Y

BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904) 462-2144.

SOURCECODE: CITATION:

PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-07-14: INDEFINITE BOUNDARY.

DIG.DATES:

TRANSCRIBR: 94-07-14 GES CDREV: Y

MAPPER: 94-12-14 MLE QC: Y

Record Maintenance:

LEADRESP:

EDITION: EDAUTHOR:

Maintenance History:

OFFICE: INITIALS: CHANGE.DATE: CHANGE.FIELDS:

USFLHP VVG 95-01-13 37

USFLHP VVG 95-01-09 7/11/13/15/16/17/18/19/20/

MANUAL.FILE.NOTE:

Conditional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS:

NC.VALUES:

NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-07-14: INDEFINITE BOUNDARY.

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP:

STRATA:

COLL/PHOTO#:

Element Occurrence Record
SCRUB

Identifiers:

Elcode EO# State:
ECCODE: CTA0000000*497*FL FONUM: IDENT: Y
SNAME: SCRUB
SCOMNAME:
ELEMENT RANKS: GRANK: G2 NRANK: SRANK: S2

Locators:

NATION: US SITECODE: S.USFLHP*6145
SITENAME: TANK LAKE
SURVEYSITE: PNAFLFLAG012

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLFLAG Flagler

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
ESPANOLA 2908153 2 4,9

LAT: 293106N S: N
LONG: 0811934W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

T RANGE: SECTION: MERIDIAN: TRSNOTE:

01S029E 25 TA
011S030E 30 TA

DIRECTIONS: W of Tank Lake; 1.3 mi NW of SR 205 (at Espanola) on N side
of old railroad grade.

PHYS PROV: WATERSHED:
AL 03080103

Status:

SURVEYDATE: 1994-07-14 LASTOBS: 1994-07-14 FIRSTOBS: 1994-07-14
EORANK: A-B EORANKDATE: 1994-07-14
EORANKCOM: Hunt camp was near the SW corner of the lake and several
sand roads cross the scrub. The scrub had not burned in many
years.

EODATA: In Section 25 E1/2, dominant species were: Pinus clausa
(many old trees had fallen down); subcanopy- Quercus
geminata, Q. myrtifolia, Q. chapmanii, and Lyonia
ferruginea; understory- Serenoa repens and Ceratiola
ericoides; groundcover- Rhynchospora megalocarpa, Cladonia
and Cladina spp. (lichens).

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

EOTYPE:
GENDESC: 1994-07-14: Mature sand pine scrub extended around the W, S,

and E sides of Tank Lake and the W side of Black Lake. A narrow band (50-100' wide) of *Pinus elliottii*/*Serenoa repens* occurred on the slope by the SW edge of Tank Lake, while *Taxodium ascendens* grew at the water's edge. Baygall bordered the E side of the scrub by Black and Tank Lakes. A large radio tower and associated clearing were in the scrub E of this lake. Black Lake and Tank Lake were blackwater swamp lakes with ca. 55 and 35 acres of open water, respectively. Planted slash pines dominated the areas surrounding the scrub. 1984-03-15: Stand of old growth sand pine, rosemary scattered through site. Extensive lichen coverage. *Lyonia ferruginea* quite large. Old road, ca. 50 years old, runs through site. Surrounding land is devoted to pulp wood production.

MINELEV: 40 MAXELEV: 54 SIZE: 240 acres

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM: Needs to be burned.

PROTCOM:

Ownership:

OWNER: OWNERINFO:

OWNERCOM:

General Comments:

COMMENTS: Schultz used aerial photo: PD4116-06-20; flown 2-18-93, to enlarge boundary. Christman Site FLAG10. Hydrologically important (F84STO08). Surveyed by Stout. There is little site disturbance. Stout's field notes say site is up to several hundred acres. Several special plants. Company that owns the land does not appear to have plans to clear or otherwise disturb the site. *Persea humilis* .105 and *LEchea cernua* .058 on site.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS:

BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904) 462-2144.

SOURCECODE: CITATION:

PND SCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21
U88 CHR01FLUS CHRISTMAN, S.P. 1988. ENDEMISM AND FLORIDA'S INTERIOR SANDPINE
F84 STO08FLUS STOUT, I. JACK. 1984. FIELD SURVEY OF TANK LAKE SCRUB, FLAGLER C
PND STO01FLUS STOUT, I.J. (DR.) (JACK), DEPT. OF BIOLOGICAL SCIENCES, UNIV. OF C

SPECIMENS:

CONTRACT: 1993 TIGER BAY
DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-07-14: INDEFINITE BOUNDARY.

DIG.DATES:
TRANSCRIBER: CDREV:
MAPPER: QC: Y

Record Maintenance:

LEADRESP:
EDITION: EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-27	37
USFLHP	VVG	95-01-09	34/35/36
USFLHP	VVG	95-01-09	7/15/16/17/18/19/20/21/33/
USFLHP	VVG	95-01-09	COPY

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION: 75D

EOR.OPT7:

NC.FIELDS: NC.VALUES: NC.VALUE.COM:
75D

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-07-14: INDEFINITE BOUNDARY.

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP: STRATA: COLL/PHOTO#:

Element Occurrence Record
SWAMP LAKE

Identifiers:

Elcode EO# State:
ECCODE: CLE0000000*016*FL FONUM: IDENT: Y
SNAME: SWAMP LAKE
SCOMNAME:
ELEMENT RANKS: GRANK: G4 NRANK: SRANK: S3

Locators:

NATION: US SITECODE: S.USFLHP*6145
SITENAME: TANK LAKE
SURVEYSITE: PNAFLFLAG012; TANK LAKE

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLFLAG Flagler

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
ESPANOLA 2908153 14 5,9

LAT: 293058N S: N
LONG: 0811919W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

T RANGE: SECTION: MERIDIAN: TRSNOTE:

01S030E 30 TA
011S029E 13 TA

DIRECTIONS: 1.3 miles NW of SR 205 in Espanola on N side of old railroad grade.

PHYS PROV: WATERSHED:
AL 03080103

Status:

SURVEYDATE: 1994-07-14 LASTOBS: 1994-07-14 FIRSTOBS: 1994-07-14
EORANK: B EORANKDATE: 1994-07-14
EORANKCOM: Undeveloped shorelines. Hunt camp was near the SW corner of Tank Lake.

EODATA: Three swamp lakes with open, tannic water. South to north were Tank, Black, and Speckled Perch Lakes with ca. 35, 55, and 50 acres of open water, respectively. Dominant species along the shoreline of Tank Lake were Taxodium ascendens, Lyonia lucida, and Panicum hemitomon. Herbaceous vegetation extended ca. 20' into the lake from shore. A 50-100' band of Pinus elliottii and dense Serenoa repens grew upland from the Taxodium in Section 25. Baygall surrounded Black and Speckled Perch lakes and connected Black and Tank lakes (see baygall EO*042).

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

EOTYPE:

GENDESC: Mature sand pine scrub covered ca. 240 acres around the W, S, and E sides of Tank Lake. A large radio tower and associated clearing were in the scrub E of the lake. Planted slash pines dominated the areas surrounding the scrub. The mesic flatwoods immediately surrounding the baygall in Sections 13 and 24 were recently clearcut.

MINELEV: 35 MAXELEV: SIZE: 140

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER: OWNERINFO:

OWNERCOM:

General Comments:

COMMENTS: Three disjunct occurrences; additional tentens = 5,8 and 4,7. Aerial photo: FDOT PD4116-6-20; flown 2-18-93.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS: Y

BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904) 462-2144.

SOURCECODE: CITATION:

PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-07-14: INDEFINITE BOUNDARY.

DIG.DATES:

TRANSCRIBR: 94-07-14 GES CDREV: Y

MAPPER: 94-12-14 MLE QC: Y

Record Maintenance:

LEADRESP:

EDITION: EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-13	37
USFLHP	VVG	95-01-09	7/11/13/15/16/17/18/19/20/
USFLHP	VVG	95-01-09	COPY

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS: NC.VALUES: NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

D. METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-07-14: INDEFINITE BOUNDARY.

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP: STRATA: COLL/PHOTO#:

Element Occurrence Record
GOPHERUS POLYPHEMUS

Identifiers:

Elcode EO# State:
ECCODE: ARAAF01030*448*FL FONUM: IDENT: Y
SNAME: GOPHERUS POLYPHEMUS
SCOMNAME: GOPHER TORTOISE
ELEMENT RANKS: GRANK: G3 NRANK: SRANK: S3

Locators:

NATION: US SITECODE: S.USFLHP*6145
SITENAME: TANK LAKE
SURVEYSITE: TANK LAKE SCRUB

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLFLAG Flagler

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
ESPANOLA 2908153 5 4,9

LAT: 293106N S:
LONG: 0811934W N:
E:
W:

COORD.COM:

TO RANGE: SECTION: MERIDIAN: TRSNOTE:
01 029E 25 TA E CENTRAL

DIRECTIONS: W OF TANK LAKE; 1.3 MI NW OF SR 205 (AT ESPANOLA) ON N SIDE
OF OLD RAILROAD GRADE.

PHYS PROV: WATERSHED:
AL 03080103

Status:

SURVEYDATE: 1984-03-15 LASTOBS: 1984-03-15 FIRSTOBS: 1984
EORANK: EORANKDATE:
EORANKCOM:

EODATA: 3 BURROWS OBSERVED (F84STO08).

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

EOTYPE:
GENDESC: STAND OF OLD GROWTH SAND PINE, ROSEMARY SCATTERED THROUGH
SITE. EXTENSIVE LICHEN COVERAGE. LYONIA FERRUGINEA QUITE
LARGE. OLD ROAD, CA. 50 YEARS OLD, RUNS THROUGH SITE.
SURROUNDING LAND IS DEVOTED TO PULP WOOD PRODUCTION.

M LEV: 40 MAXELEV: SIZE: 0

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM:

PROTCOM: "SHOULD GO FOR SOME PRESERVATION STATUS: EASEMENT, ETC,"
(F84STO08).

Ownership:

OWNER: CONTAINER CORP. OF A OWNERINFO:
OWNERCOM: "OWNERS PROBABLY NOT WILLING TO SELL" (F84STO08).

General Comments:

COMMENTS: CHRISTMAN SITE FLAG10. SEE SCRUB .497. NEEDS A MORE THOROUGH
SURVEY TO DETERMINE SIZE AND EXTENT OF EO. HYDROLOGICALLY
IMPORTANT (F84STO08). SURVEYED BY STOUT. THERE IS LITTLE
SITE DISTURBANCE. STOUT'S FIELD NOTES SAY SITE IS UP TO
SEVERAL HUNDRED ACRES. SEVERAL SPECIAL PLANTS.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS: 75D

Documentation:

DATASENS: BOUNDARIES: PHOTOS:
BESTSOURCE: CHRISTMAN, S.P. 1988. ENDEMISM AND FLORIDA INTERIOR SAND
PINE SCRUB. REPORT TO FGFWFC.

SOURCECODE: CITATION:

U88CHR01FLUS CHRISTMAN, S.P. 1988. ENDEMISM AND FLORIDA'S INTERIOR SANDPINE
F84STO08FLUS STOUT, I. JACK. 1984. FIELD SURVEY OF TANK LAKE SCRUB, FLAGLER CO
PNDSTO01FLUS STOUT, I.J. (DR.)(JACK), DEPT. OF BIOLOGICAL SCIENCES, UNIV.OF CE

SPECIMENS:

CONTRACT:
DIG.METHOD:

DIG.COM:

DIG.DATES:

TRANSCRIBR: 89-08-22 TEO CDREV: Y
MAPPER: 89-08-22 TEO QC: Y

Record Maintenance:

LEADRESP:
EDITION: EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-31	7
USFLHP	JA	94-08-10	89
USFLHP	VVG	93-10-18	53
USFLHP	VVG	93-10-18	14/15/16/38/56
USFLHP	MLL	90-01-16	ALL

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM:

F OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT:

ECOREGION: 75D

EOR.OPT7:

NC.FIELDS:
75D

NC.VALUES:

NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM:

DIG.DATES:

E OPT16:

EOR.OPT17:

PLANT.SPP:

STRATA:

COLL/PHOTO#:

Element Occurrence Record
LECHEA CERNUA

Identifiers:

Elcode EO# State:
ECCODE: PDCIS04010*058*FL FONUM: IDENT: Y
SNAME: LECHEA CERNUA
SCOMNAME: NODDING PINWEED
ELEMENT RANKS: GRANK: G3 NRANK: SRANK: S3

Locators:

NATION: US SITECODE: S.USFLHP*6145
SITENAME: TANK LAKE
SURVEYSITE: TANK LAKE SCRUB

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLFLAG Flagler

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
ESPANOLA 2908153 3 4,9

LAT: 293106N S:
LONG: 0811934W N:
E:
W:

COORD.COM:

T RANGE: SECTION: MERIDIAN: TRSNOTE:
01 029E 25 TA E CENTRAL

DIRECTIONS: W OF TANK LAKE; 1.3 MI NW OF SR 205 (AT ESPANOLA) ON N SIDE
OF OLD RAILROAD GRADE.

PHYSPROV: WATERSHED:
AL 03080103

Status:

SURVEYDATE: 1984-03-15 LASTOBS: 1984-03-15 FIRSTOBS: 1984
EORANK: EORANKDATE:
EORANKCOM:

EODATA: 10-15 INDIVIDUALS (F84ST008).

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

EOTYPE:
GENDESC: STAND OF OLD GROWTH SAND PINE, ROSEMARY SCATTERED THROUGH
SITE. EXTENSIVE LICHEN COVERAGE. LYONIA FERRUGINEA QUITE
LARGE. OLD ROAD, CA. 50 YEARS OLD, RUNS THROUGH SITE.
SURROUNDING LAND IS DEVOTED TO PULP WOOD PRODUCTION.

M LEV: 40 MAXELEV: SIZE: 20

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM:

PROTCOM: "SHOULD GO FOR SOME PRESERVATION STATUS: EASEMENT, ETC,"
(F84STO08).

Ownership:

OWNER: CONTAINER CORP. OF A OWNERINFO:
OWNERCOM: "OWNERS PROBABLY NOT WILLING TO SELL" (F84STO08).

General Comments:

COMMENTS: CHRISTMAN SITE FLAG10. SEE SCRUB .497. HYDROLOGICALLY
IMPORTANT (F84STO08). SURVEYED BY STOUT. THERE IS LITTLE
SITE DISTURBANCE. STOUT'S FIELD NOTES SAY SITE IS UP TO
SEVERAL HUNDRED ACRES. SEVERAL SPECIAL PLANTS. COMPANY THAT
OWNS THE LAND DOES NOT APPEAR TO HAVE PLANS TO CLEAR OR
OTHERWISE DISTURB THE SITE. SEE SCRUB .497. PERSEA HUMILIS
.105 ON SITE.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS: 75D

Documentation:

DATASENS: BOUNDARIES: PHOTOS:
BESTSOURCE: CHRISTMAN, S.P. 1988. ENDEMISM AND FLORIDA INTERIOR SAND
PINE SCRUB. REPORT TO FGFWFC.

SOURCECODE: CITATION:

U88CHR01FLUS CHRISTMAN, S.P. 1988. ENDEMISM AND FLORIDA'S INTERIOR SANDPINE
F84STO08FLUS STOUT, I. JACK. 1984. FIELD SURVEY OF TANK LAKE SCRUB, FLAGLER CO
PNDSTO01FLUS STOUT, I.J. (DR.)(JACK), DEPT. OF BIOLOGICAL SCIENCES, UNIV.OF CE

SPECIMENS:

CONTRACT:
DIG.METHOD:

DIG.COM:

DIG.DATES:

TRANSCRIBR: 89-08-22 TEO CDREV: Y
MAPPER: 89-08-22 TEO QC: Y

Record Maintenance:

LEADRESP:
EDITION: EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-31	7
USFLHP	JA	94-08-10	89
USFLHP	VVG	93-10-18	14/15/16/38/46/51/53/56/76
USFLHP	MLL	90-01-16	ALL

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM:

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT:

ECOREGION: 75D

EOR.OPT7:

NC.FIELDS:
75D

NC.VALUES:

NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM:

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP:

STRATA:

COLL/PHOTO#:

Element Occurrence Record
PERSEA HUMILIS

Identifiers:

Elcode EO# State:
ECODE: PDLAU0B050*105*FL FONUM: IDENT: Y
SNAME: PERSEA HUMILIS
SCOMNAME: SCRUB BAY
ELEMENT RANKS: GRANK: G3 NRANK: SRANK: S3

Locators:

NATION: US SITECODE: S.USFLHP*6145
SITENAME: TANK LAKE
SURVEYSITE: TANK LAKE SCRUB

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLFLAG Flagler

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
ESPANOLA 2908153 4 4,9

LAT: 293106N S:
LONG: 0811934W N:
E:
W:

COORD.COM:

TOWNRANGE: SECTION: MERIDIAN: TRSNOTE:
0. 029E 25 TA E-CENTRAL

DIRECTIONS: W OF TANK LAKE; 1.3 MI NW OF SR 205 (AT ESPANOLA) ON N SIDE
OF OLD RAILROAD GRADE.

PHYS PROV: WATERSHED:
AL 03080103

Status:

SURVEYDATE: 1984-03-15 LASTOBS: 1984-03-15 FIRSTOBS: 1984
EORANK: EORANKDATE:
EORANKCOM:

EODATA: OCCASIONAL SHRUB (F84ST008).

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

EOTYPE:
GENDESC: STAND OF OLD GROWTH SAND PINE, ROSEMARY SCATTERED THROUGH
SITE. EXTENSIVE LICHEN COVERAGE. LYONIA FERRUGINEA QUITE
LARGE. OLD ROAD, CA. 50 YEARS OLD, RUNS THROUGH SITE.
SURROUNDING LAND IS DEVOTED TO PULP WOOD PRODUCTION.

MINLEV: 40 MAXELEV: SIZE: 20

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM:

PROTCOM: "SHOULD GO FOR SOME PRESERVATION STATUS: EASEMENT, ETC,"
(F84STO08).

Ownership:

OWNER: CONTAINER CORP. OF A OWNERINFO:
OWNERCOM: "OWNERS PROBABLY NOT WILLING TO SELL" (F84STO08).

General Comments:

COMMENTS: CHRISTMAN SITE FLAG10. SEE SCRUB .497. HYDROLOGICALLY
IMPORTANT (F84STO08). SURVEYED BY STOUT. THERE IS LITTLE
SITE DISTURBANCE. STOUT'S FIELD NOTES SAY SITE IS UP TO
SEVERAL HUNDRED ACRES. SEVERAL SPECIAL PLANTS. COMPANY THAT
OWNS THE LAND DOES NOT APPEAR TO HAVE PLANS TO CLEAR OR
OTHERWISE DISTURB THE SITE. SEE SCRUB. 497. LECHEA CERNUA
.058 ON SITE.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS: 75D

Documentation:

DATASENS: BOUNDARIES: PHOTOS:
BESTSOURCE: CHRISTMAN, S.P. 1988. ENDEMISM AND FLORIDA INTERIOR SAND
PINE SCRUB. REPORT TO FGFWFC.

SOURCECODE: CITATION:

U88CHR01FLUS CHRISTMAN, S.P. 1988. ENDEMISM AND FLORIDA'S INTERIOR SANDPINE
F84STO08FLUS STOUT, I. JACK. 1984. FIELD SURVEY OF TANK LAKE SCRUB, FLAGLER CO
PNDSTO01FLUS STOUT, I.J. (DR.) (JACK), DEPT. OF BIOLOGICAL SCIENCES, UNIV.OF CE

SPECIMENS:

CONTRACT:
DIG.METHOD:

DIG.COM:

DIG.DATES:

TRANSCRIBR: 89-08-22 TEO CDREV: Y
MAPPER: 89-08-22 TEO QC: Y

Record Maintenance:

LEADRESP:
EDITION: EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-31	7
USFLHP	JA	94-08-10	89
USFLHP	VVG	93-10-18	14/15/16/38/46/51/53/56/76
USFLHP	MLL	90-01-16	ALL

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM:

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT:

ECOREGION: 75D

EOR.OPT7:

NC.FIELDS:
75D

NC.VALUES:

NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM:

DIG.DATES:

EC OPT16:

EOR.OPT17:

PLANT.SPP:

STRATA:

COLL/PHOTO#:

Element Occurrence Record
DOME SWAMP

Identifiers:

Elcode EO# State:
ECCODE: CPH0000000*073*FL FONUM: IDENT: Y
SNAME: DOME SWAMP
SCOMNAME:
ELEMENT RANKS: GRANK: G4? NRANK: SRANK: S3?

Locators:

NATION: US SITECODE: S.USFLHP*6140
SITENAME: WHITE OAK BRANCH FLATWOODS
SURVEYSITE: PNAFLFLAG002; WHITE OAK BRANCH FLATWOODS

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLFLAG Flagler

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
ST. JOHNS PARK 2908144 22 8,3

LAT: 292824N S: N
LONG: 0812425W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

TOWNSHIP: RANGE: SECTION: MERIDIAN: TRSNOTE:
01 029E 7, TA

DIRECTIONS: From US 1 in Bunnell, go W on SR 100 ca. 9 miles. EO is on the S side of SR 100 ca. 2.2 mile W of CR 305 (0.9 mi E of CR 2005).

PHYSPROV: WATERSHED:
AL 03080103

Status:

SURVEYDATE: 1994-07-05 LASTOBS: 1994-07-05 FIRSTOBS: 1994-07-05
EORANK: C EORANKDATE: 1994-07-05
EORANKCOM: Few large trees; stumps observed. Drained by ditches.

EODATA: Large, narrow, elongated dome swamp. Dominant species were Taxodium ascendens, Gordonia lasianthus and Lyonia lucida. Most of the swamp ran N-S at the E side of the flatwoods near the Section 7 & 8 borderline. Water ca. 12" deep covered the jeep trail crossing the swamp on 1994-07-05. Three other disjunct occurrences less than 1 mile southeast.

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

GENERAL DESC: Surrounded by wet flatwoods with slash pines of many ages. Numerous ditches drain to a major canal along the S edge of the site. Surrounding land use includes agricultural fields

on three sides and a sparsely settled subdivision to the S
(Daytona North).

MINELEV: 20 MAXELEV: 25 SIZE: 60

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER: OWNERINFO:
OWNERCOM:

General Comments:

COMMENTS: Aerial photo: PD4116-04-15; flown 2-19-93.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS: Y
BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904)
462-2144.

SOURCECODE: CITATION:
PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY
DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-07-05. INDEFINITE BOUNDARY.

DIG.DATES: 94-12-12 DL
TRANSCRIBR: 94-07-05 GES CDREV: Y
MAPPER: 94-12-02 MLE QC: Y

Record Maintenance:

LEADRESP:
EDITION: EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	94-12-21	37/46/64
USFLHP	VVG	94-12-21	7/11/13/15/16/17/20/21/33/
USFLHP	VVG	94-12-20	COPY

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS:

NC.VALUES:

NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PND SCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-07-05. INDEFINITE BOUNDARY.

DIG.DATES: 94-12-12 DL

EC OPT16:

EOR.OPT17:

PLANT.SPP:

STRATA:

COLL/PHOTO#:

Element Occurrence Record
MESIC FLATWOODS

Identifiers:

Elcode EO# State:
ECCODE: CTE0000000*102*FL FONUM: IDENT: Y
SNAME: MESIC FLATWOODS
SCOMNAME:
ELEMENT RANKS: GRANK: G? NRANK: SRANK: S4

Locators:

NATION: US SITECODE: S.USFLHP*6140
SITENAME: WHITE OAK BRANCH FLATWOODS
SURVEYSITE: PNAFLFLAG002

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLFLAG Flagler

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
ST. JOHNS PARK 2908144 15 8,3

LAT: 292803N S: N
LONG: 0812412W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

TORANGE: SECTION: MERIDIAN: TRSNOTE:
01 029E 8, TA

DIRECTIONS: From US 1 in Bunnell, go W on SR 100 ca. 9 miles. EO is on the S side of SR 100 ca. 2.2 mile W of CR 305 (0.9 mi E of CR 2005).

PHYSPROV: WATERSHED:
AL 03080103

Status:

SURVEYDATE: 1994-07-05 LASTOBS: 1994-07-05 FIRSTOBS: 1994-07-05
EORANK: C EORANKDATE: 1994-07-05
EORANKCOM: Few large trees observed. Drained by numerous ditches.

EODATA: Mesic flatwoods at S end of site in fair condition with slash pines of many ages. Visual estimates of dominant species were: Pinus elliottii (20-50% cover, ≤12" DBH, 30-40' tall), Serenoa repens (50-80%, 3-6'), and occasional young P. palustris. Numerous ditches drain to a major canal along the S edge of the site. Southwest side burned hot in last few years killing some large pines. Pine stumps present.

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

EOTYPE:
GENDESC: Intermixed with areas of wet flatwoods with Pinus elliottii

(20-50% cover, 6- 12" DBH, 30-40' tall), Ilex glabra (20%, 4-6'), and Aristida stricta (10%). Taxodium ascendens dome swamp (with many Gordonia lasianthus and Lyonia lucida) ran N-S on the E edge of the flatwoods near the Section 7 & 8 borderline. P. elliotii (2-6" DBH, 15-25') were invading small depression marsh areas. Entire site is fenced with barbed wire but there was no sign of livestock grazing. The EO was surrounded on three sides by agricultural fields and on the S by a thinly settled residential subdivision (Daytona North).

LINELEV: 20 MAXELEV: 25 SIZE: 35

Protection:

IACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM: Needs to be burned.

PROTCOM:

Ownership:

OWNER: OWNERINFO:
OWNERCOM:

General Comments:

COMMENTS: Aerial photo: FDOT PD 4116-4-15; flown 2-19-93.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS: Y
BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904) 462-2144.

SOURCECODE: CITATION:

PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-07-05. INDEFINITE BOUNDARY.

DIG.DATES: 94-12-12 DL

TRANSCRIBR: 94-07-05 GES CDREV: Y

MAPPER: 94-12-02 MLE QC: Y

Record Maintenance:

LEADRESP:

EDITION: EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	94-12-21	37/64
USFLHP	VVG	94-12-21	7/11/13/15/16/17/18/20/21/
USFLHP	VVG	94-12-20	COPY

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS: NC.VALUES: NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DI ETHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-07-05. INDEFINITE BOUNDARY.

DIG.DATES: 94-12-12 DL

EOR.OPT16:

EOR.OPT17:

PLANT.SPP: STRATA: COLL/PHOTO#:

Element Occurrence Record
WET FLATWOODS

Identifiers:

Elcode EO# State:
EOCODE: CPN0000000*068*FL FONUM: IDENT: Y
SNAME: WET FLATWOODS
SCOMNAME:
ELEMENT RANKS: GRANK: G? NRANK: SRANK: S4?

Locators:

NATION: US SITECODE: S.USFLHP*6140
SITENAME: WHITE OAK BRANCH FLATWOODS
SURVEYSITE: PNAFLFLAG002

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLFLAG Flagler

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
ST. JOHNS PARK 2908144 21 8,3

LAT: 292809N S: N
LONG: 0812421W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

TOWNSHIP: SECTION: MERIDIAN: TRSNOTE:
01 029E 7, TA

DIRECTIONS: From US 1 in Bunnell, go W on SR 100 ca. 9 miles. EO is on the S side of SR 100 ca. 2.2 mile W of CR 305 (0.9 mi E of CR 2005).

PHYSProv: WATERSHED:
AL 03080103

Status:

SURVEYDATE: 1994-07-05 LASTOBS: 1994-07-05 FIRSTOBS: 1994-07-05
EORANK: C EORANKDATE: 1994-07-05
EORANKCOM: Few large trees; stumps observed. Drained by numerous ditches.

EODATA:

Wet flatwoods with slash pines of many ages. Dominant species were *Pinus elliotii* (20-50% cover, 6-12" DBH, 30-40' tall), *Ilex glabra* (20%, 4-6'), and *Aristida stricta* (10%). Intermixed with areas of mesic flatwoods with *Pinus elliotii*, occasional *P. palustris*, and *Serenoa repens* (80%, 3-6'). *Taxodium ascendens* dome swamp (with many *Gordonia lasianthus* and *Lyonia lucida*) ran N-S at the E side of the flatwoods near the Section 7 & 8 borderline. *P. elliotii* (2-6" DBH, 15-25') were invading shallow marsh areas. Four flowering *Helianthus carnosus* were observed within 10' of the fence bordering the N side of the site (about 20 more plants were growing in the SR 100 R/W). One 5' *Crotalus adamanteus* (Eastern diamondback rattlesnake) was observed at close range crawling across a game trail beneath

thick Ilex glabra.

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

NOTYPE:

SEDESC: Wet flatwoods in fair condition and bordered on the N by SR 100. Numerous ditches drain to a major canal along the S edge of the site. Southwest side burned hot in the last few years killing some large pines. Surrounding land use includes agricultural fields on three sides and a sparsely settled subdivision to the S (Daytona North).

LINELEV: 20 MAXELEV: 25 SIZE: 175

Protection:

IACODE: MANAME: MATYPE: CONTAINED:

IORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

IGMTCOM: Needs to be burned more frequently.

PROTCOM:

Ownership:

OWNER: OWNERINFO:
OWNERCOM:

General Comments:

COMMENTS: Aerial photo: PD4116-04-15; flown 2-19-93.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS: Y
BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904) 462-2144.

SOURCECODE: CITATION:

P[ND]SCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (P[ND]SCH03). SOURCE SCALE: 1:24,000. SOURCE
MAP DATE: 1994-07-05. INDEFINITE BOUNDARY.

DIG.DATES: 94-12-12 DL

TRANSCRIBER: 94-07-05 GES CDREV: Y

MAPPER: 94-12-02 MLE QC: Y

Record Maintenance:

LEADRESP:

EDITION:

EDAUTHOR:

Maintenance History:

OFFICE: INITIALS: CHANGE.DATE: CHANGE.FIELDS:

USFLHP VVG 94-12-21 37/64

USFLHP VVG 94-12-21 7/11/13/15/16/17/20/21/33/

USFLHP VVG 94-12-20 COPY

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS:

NC.VALUES:

NC.VALUE.COM:

EC OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (P[ND SCH03). SOURCE SCALE: 1:24,000. SOURCE
MAP DATE: 1994-07-05. INDEFINITE BOUNDARY.

DIG.DATES: 94-12-12 DL

EOR.OPT16:

EOR.OPT17:

PLANT.SPP:

STRATA:

COLL/PHOTO#:

Element Occurrence Record
CROTALUS ADAMANTEUS

Identifiers:

Elcode EO# State:
ECODE: ARADE02010*037*FL FONUM: IDENT: Y
SNAME: CROTALUS ADAMANTEUS
SCOMNAME: EASTERN DIAMONDBACK RATTLESNAKE
ELEMENT RANKS: GRANK: G5 NRANK: SRANK: S?

Locators:

NATION: US SITECODE: S.USFLHP*6140
SITENAME: WHITE OAK BRANCH FLATWOODS
SURVEYSITE: PNAFLFLAG002

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLFLAG Flagler

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
ST. JOHNS PARK 2908144 16 8,3

LAT: 292809N S: N
LONG: 0812421W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

TOWNSHIP RANGE: SECTION: MERIDIAN: TRSNOTE:
01 029E 7 TA

DIRECTIONS: From US 1 in Bunnell, go W on SR 100 ca. 9 miles. EO is on the S side of SR 100 ca. 2.2 mile W of CR 305 (0.9 mi E of CR 2005).

PHYSPROV: WATERSHED:
AL 03080103

Status:

SURVEYDATE: 1994-07-05 LASTOBS: 1994-07-05 FIRSTOBS: 1994-07-05
EORANK: C EORANKDATE: 1994-07-05
EORANKCOM: One adult observed. Habitat had few large trees and was drained by numerous ditches.

EODATA: One adult Crotalus adamanteus (Eastern diamondback rattlesnake) ca. 5' long was observed at close range crawling across a game trail beneath thick Ilex glabra. It appeared to be in good health.

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

EOTYPE:
GF ESC: Wet flatwoods: dominant species were Pinus elliottii (20-50% cover, 6-12" DBH, 30-40' tall), Ilex glabra (20%, 4- 6'), and Aristida stricta (10%). This natural community formed a mosaic with mesic flatwoods and dome swamp. Several ditches

drain to a major canal along the S edge of the site. The southwest side of the site burned hot in the last few years killing some large pines. Surrounding land use includes agricultural fields on three sides and a sparsely settled subdivision to the S (Daytona North).

MINELEV: 20 MAXELEV: 25 SIZE:

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM: Habitat needs to be burned more frequently.

PROTCOM:

Ownership:

OWNER: OWNERINFO:
OWNERCOM:

General Comments:

COMMENTS: Aerial photo: PD4116-04-15; flown 2-19-93.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: PHOTOS:
BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904)
462-2144.

SOURCECODE: CITATION:
PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY
DIG.METHOD:

DIG.COM:

DIG.DATES:

TRANSCRIBR: 94-07-05 GES CDREV: Y
MAPPER: 94-12-02 MLE QC: Y

Record Maintenance:

LEADRESP:
EDITION: EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	94-12-21	37/64
USFLHP	VVG	94-12-21	7/11/13/15/16/17/18/20/21/
USFLHP	VVG	94-12-20	COPY

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EC. OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS:

NC.VALUES:

NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM:

DIG.DATES:

EC. OPT16:

EOR.OPT17:

PLANT.SPP:

STRATA:

COLL/PHOTO#:

Element Occurrence Record
HELIANTHUS CARNOSUS

Identifiers:

Elcode EO# State:
EOLCODE: PDAST4N0A0*008*FL FONUM: IDENT: Y
SNAME: HELIANTHUS CARNOSUS
SCOMNAME: LAKE-SIDE SUNFLOWER
ELEMENT RANKS: GRANK: G1G2 NRANK: SRANK: S1S2

Locators:

NATION: US SITECODE: S.USFLHP*6140
SITENAME: WHITE OAK BRANCH FLATWOODS
SURVEYSITE: PNAFLFLAG002

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLFLAG Flagler

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
ST. JOHNS PARK 2908144 17 8,2

LAT: 292848N S: N
LONG: 0812426W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

TO RANGE: SECTION: MERIDIAN: TRSNOTE:
01. 029E 7 TA NE1/4 NE1/4 NE1/4

DIRECTIONS: From US 1 in Bunnell, go W on SR 100 ca. 9 miles. EO is on the S side of SR 100 ca. 2.2 mile W of CR 305 (0.9 mi E of CR 2005).

PHYSProv: WATERSHED:
AL 03080103

Status:

SURVEYDATE: 1994-07-05 LASTOBS: 1994-07-05 FIRSTOBS: 1994-07-05
EORANK: C EORANKDATE: 1994-07-05
EORANKCOM: Four of 24 plants in flatwoods S of SR 100 R/W.

EODATA: Four flowering Helianthus carnosus were observed S (within 10') of the fence bordering the N side of the flatwoods. The remaining 20 plants were growing at the top edge of the frequently mowed SR 100 R/W swale. Most plants were in flower.

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

OTYPE:

ENDESC: Wet flatwoods in fair condition were dominated by Pinus
elliottii (20-50% cover, ≤12" DBH, 30-40' tall), Aristida
stricta (60%), and Panicum hemitomon (20%).

INELEV: 25 MAXELEV: SIZE: 200 square f

Protection:

ACODE: MANAME: MATYPE: CONTAINED:

ORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

GMTCOM: Wet flatwoods S of SR 100 R/W needs to be burned to allow
Helianthus to spread. Mowing on R/W should be delayed until
Helianthus seeds mature.

PROTCOM:

Ownership:

OWNER: OWNERINFO:

OWNERCOM:

General Comments:

COMMENTS: Schultz estimated population was within a 200 square foot
area. Aerial photo: PD4116-04-15; flown 2-19-93.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: PHOTOS:

BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904)
462-2144.

SOURCECODE: CITATION:

PND SCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY

DIG.METHOD:

DIG.COM:

DIG.DATES:

TRANSCRIBR: 94-07-05 GES CDREV: Y

MAPPER: 94-12-02 MLE QC: Y

Record Maintenance:

LEADRESP:

EDITION: EDAUTHOR:

Maintenance History:

OFFICE: INITIALS: CHANGE.DATE: CHANGE.FIELDS:

USFLHP VVG 94-12-21 37/64

USFLHP
USFLHP

VVG
VVG

94-12-21
94-12-20

7/11/13/15/16/17/20/21/33/
COPY

MANUAL.FILE.NOTE:

Op onal Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS:

NC.VALUES:

NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG COM:

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP:

STRATA:

COLL/PHOTO#:

Element Occurrence Record
BASIN SWAMP

Identifiers:

Elcode EO# State:
EOCODE: CPK0000000*037*FL FONUM: IDENT: Y
SNAME: BASIN SWAMP
SCOMNAME:
ELEMENT RANKS: GRANK: G4? NRANK: SRANK: S3

Locators:

NATION: US SITECODE: S.USFLHP*6155
SITENAME: FISH TAIL SWAMP
SURVEYSITE: PNAFLSTJO024; LITTLE FISH TAIL SWAMP

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLSTJO St Johns

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
DINNER ISLAND NE 2908163 20 4,6

LAT: 294051N S: N
LONG: 0812013W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

TC RANGE: SECTION: MERIDIAN: TRSNOTE:
00_029E 36 TA SE1/4

DIRECTIONS: From US 1 just N of the Flagler Co. line, go W on CR 204 ca. 2.9 mi. Turn N on the gated sand road (posted by Champion International Corporation) and go ca. 3.5 mi. Turn E on sandy jeep trail and go through planted pines ca. 850' to edge of the swamp. Park here and walk E through the baygall fringe to reach the basin swamp.

PHYSPROV: WATERSHED:
AL 03080201

Status:

SURVEYDATE: 1994-09-29 LASTOBS: 1994-09-29 FIRSTOBS: 1994-09-29
EORANK: B EORANKDATE: 1994-09-29
EORANKCOM: Some old stumps present but undisturbed in recent years.

EODATA: Basin swamp of varying conditions. Visual estimates of dominant species were made in two locations. In Section 23 SE1/4, many large trees (some ≤ 24 " DBH and 60+' tall) of numerous species made a dense, even-age canopy: canopy- *Taxodium ascendens* [≤ 18 " (rarely 24") DBH], *Acer rubrum* [≤ 12 " (rarely 24")], *Nyssa biflora*, *Magnolia virginiana* (≤ 12 "), *Ulmus americana* (≤ 18 "), *Quercus laurifolia* (≤ 30 "), and *Liquidambar styraciflua*; subcanopy- *Acer rubrum* and *Fraxinus caroliniana*; open understory- *Lyonia lucida* (30%, 3-6'); groundcover- *Saururus cernuus* (20%), *Carex* sp. (20%), *Rhynchospora miliacea* (5%), and *Polygonum hydropiperoides* (5%); open water ca. 6-8" deep on 1994-09-29 covered ca. 75%

of the ground and no flow was evident. In Section 36 NW1/4, the swamp was only ca. 400' wide and trees averaged 8-12" DBH: canopy- Liquidambar styraciflua (20% cover, ≤14" DBH, 50' tall), Nyssa biflora (20%, ≤12", 50'), Acer rubrum (20%, ≤12"), and Gordonia lasianthus (10%, ≤16"); subcanopy- Taxodium ascendens (5%, 3-6", 20-35'), Acer rubrum (10%), and Persea palustris (5%); understory (more open in center)- Lyonia lucida (30%, 3-6') and Myrica cerifera (5%, 3- 10'); groundcover- Woodwardia virginica (5%); open water 6-12" deep covered ca. 75% of the ground on 1994-09-29 and no flow was evident.

CONTACTID:
CONTACT.NOTE:

CONTACT.NAME:

Description:

EOTYPE:

ENDESC: Long, narrow basin swamp up to ca. 0.5 mi E-W and 4 mi N-S. Swamp separated from planted pine uplands by baygall strand. Some slightly elevated areas have hydric hammock. Area at S end just N of CR 204 very narrow with clearcuts on both sides.

LINELEV: 35 MAXELEV: SIZE: 950

Protection:

ACODE: MANAME: MATYPE: CONTAINED:

ORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

GMTCOM:

PROTCOM:

Ownership:

OWNER: OWNERINFO:
OWNERCOM:

General Comments:

COMMENTS: Two disjunct communities; additional tenten = 3,3. Aerial photos: FDOT PD4123-10-05 to 10-09; flown 2-18-93.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS: Y
BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904) 462-2144.

SOURCECODE: CITATION:
PND SCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-09-29: INDEFINITE BOUNDARY.

DIG.DATES:

TRANSCRIBER: 94-09-29 GES CDREV: Y
MAPPER: 94-12-15 MLE QC: Y

Record Maintenance:

LEADRESP:

EDITION: EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-27	37
USFLHP	VVG	95-01-09	7/11/13/15/16/17/18/20/21/
USFLHP	VVG	95-01-09	COPY

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS: NC.VALUES: NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-09-29: INDEFINITE BOUNDARY.

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP: STRATA: COLL/PHOTO#:

Element Occurrence Record
BAYGALL

Identifiers:

Elcode EO# State:
EC DE: CPS0000000*043*FL FONUM: IDENT: Y
SNAME: BAYGALL
SCOMNAME:
ELEMENT RANKS: GRANK: G4? NRANK: SRANK: S4?

Locators:

NATION: US SITECODE: S.USFLHP*6155
SITENAME: FISH TAIL SWAMP
SURVEYSITE: PNAFLSTJO024; LITTLE FISH TAIL SWAMP

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLSTJO St Johns

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
DINNER ISLAND NE 2908163 19 3,6

LAT: 294042N S: N
LONG: 0812022W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

TOWNSHIP: RANGE: SECTION: MERIDIAN: TRSNOTE:
00 029E 36 TA W1/2NW1/4

DIRECTIONS: From US 1 just N of the Flagler Co. line, go W on CR 204 ca. 2.9 mi. Turn N on the gated sand road (posted by Champion International Corporation) and go ca. 1.7 mi. Park here and walk E ca. 300' on grassy jeep trail on N edge of baygall. EO is to the S and also E as a baygall fringe of the basin swamp.

PHYS PROV: WATERSHED:
AL 03080201

Status:

SURVEYDATE: 1994-09-29 LASTOBS: 1994-09-29 FIRSTOBS: 1994-09-29
EORANK: B EORANKDATE: 1994-09-29
EORANKCOM: Some old stumps present but appears undisturbed in recent years.

EODATA: Baygall ca. 400' in diameter dominated by Gordonia lasianthus. Visual estimates of dominant species were: canopy - Gordonia lasianthus (75% cover, ≤ 10 " DBH, 40-50' tall), Nyssa biflora (10%, ≤ 16 ", 50'), Persea palustris (5%, 10", 40'), Magnolia virginiana (5%, ≤ 6 ", 40'), Liquidambar styraciflua (5%, ≤ 12 ", 50'), and Taxodium ascendens (2%, ≤ 17 ", 50'); subcanopy - Acer rubrum (10%, 4-8"), Gordonia lasianthus (10%, ≤ 6 "); understory - Lyonia lucida (60%, 4-12'); groundcover - Woodwardia virginica (5%) and Osmunda cinnamomea (5%); open water ca. 6" deep covered ca. 50% of the ground on 1994-09-29 and no flow was evident. One

Magnolia grandiflora (8", 40') was growing near the baygall's center. Old stumps of cypress (covered with moss) and pine (≤ 30 " D at 1' above the ground) were occasionally seen. The baygall also formed a narrow band along the W edge of the basin swamp. In Section 23 SE1/4, the trees were larger. Dominant species here were: fairly open canopy - Gordonia lasianthus (40% cover, 12-28" DBH, and $\leq 60'$ tall), Nyssa biflora (20%, ≤ 12 "), and Pinus elliottii (5%, ≤ 12 " DBH); subcanopy - Ilex cassine and Gordonia lasianthus; understory - Lyonia lucida (60%, 6- 10'); groundcover - Woodwardia virginica (40%).

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

NOTYPE:
ENDESC: Long, narrow basin swamp up to ca. 0.5 mi E-W and 4 mi N-S. Baygall strand separated basin swamp from planted pine uplands. Some slightly elevated areas in swamp had hydric hammock. Swamp at S end very narrow with clearcuts on both sides.

LINELEV: 30 MAXELEV: 35 SIZE: 60

Protection:

LACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER: OWNERINFO:
OWNERCOM:

General Comments:

COMMENTS: Aerial photos: FDOT PD4123-10-05 to 10-09; flown 2-18-93.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS: Y
BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904) 462-2144.

SOURCECODE: CITATION:

PDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-09-29: INDEFINITE BOUNDARY.

D: DATES:
TRANSCRIBER: 94-09-29 GES CDREV: Y
MAPPER: 94-12-15 MLE QC: Y

Record Maintenance:

LEADRESP:
EDITION: EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-27	37
USFLHP	VVG	95-01-09	7/11/13/15/16/17/20/21/33/
USFLHP	VVG	95-01-09	COPY

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS: NC.VALUES: NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-09-29: INDEFINITE BOUNDARY.

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP: STRATA: COLL/PHOTO#:

Element Occurrence Record
HYDRIC HAMMOCK

Identifiers:

Elcode EO# State:
EOCODE: CPU0000000*037*FL FONUM: IDENT: Y
SNAME: HYDRIC HAMMOCK
SCOMNAME:
ELEMENT RANKS: GRANK: G? NRANK: SRANK: S4?

Locators:

NATION: US SITECODE: S.USFLHP*6155
SITENAME: FISH TAIL SWAMP
SURVEYSITE: PNAFLSTJO024; LITTLE FISH TAIL SWAMP-SECTION 26

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLSTJO St Johns

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
DINNER ISLAND NE 2908163 17 3,5

LAT: 294142N S: N
LONG: 0812036W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

TOWNSHIP: RANGE: SECTION: MERIDIAN: TRSNOTE:
00 29E 26 TA NE1/4

DIRECTIONS: From US 1 just N of the Flagler Co. line, go W on CR 204 ca. 2.9 mi. Turn N on the gated sand road (posted by Champion International Corporation) and go ca. 2.7 mi. Park here and walk SE ca. 200' on grassy jeep trail separating planted pines from swamp to the N. Turn ENE and walk through 200' wide basin swamp to EO.

PHYSPROV: WATERSHED:
AL 03080201

Status:

SURVEYDATE: 1994-09-29 LASTOBS: 1994-09-29 FIRSTOBS: 1994-09-29
EORANK: A-B EORANKDATE: 1994-09-29
EORANKCOM: Some old stumps present but many large trees.

EODATA: Hydric hammock ca. one mi long N-S and averaging ca. 1000' wide E-W. Almost closed canopy of numerous tree species with many large specimens. Visual estimates of dominant species were: canopy- Quercus virginiana (10% cover, ≤36" DBH, 50' tall), Carya glabra (10%, ≤18", 60'), Ulmus americana (10%, 22"), Magnolia grandiflora (5%, ≤16"), Tilia americana (10%, ≤24"), Quercus laurifolia (5%, ≤24", 60'), Celtis laevigata (5%, ≤18"), and Acer rubrum (5%, ≤12"); subcanopy- Carpinus carolinia (20%, ≤9", 30-40'), Tilia americana (5%, ≤16"), and Sabal palmetto (5%, 30-40'); understory- Ilex vomitoria (30%, 4-10') and Serenoa repens [20% (50% to the E), 3-4']; groundcover- Dryopteris ludoviciana (50%) and Carex sp.

(10%). The soil was saturated to dry on 1994-09-29.

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

EOTYPE:

GENDESC: Long, narrow swamp system ca. 4 mi N-S and up to ca. 0.5 mi E-W. Hydric hammock near the center and separated from upland to the W by narrow band of basin swamp. In some locations, baygall strand separated basin swamp from planted pine uplands. Some uplands clearcut. Swamp at S end very narrow with clearcuts on both sides.

MINELEV: 35 MAXELEV: SIZE: 140

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER: OWNERINFO:

OWNERCOM:

General Comments:

COMMENTS: Aerial photos: FDOT PD4123-10-05 to 10-07; flown 2-18-93.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS: Y

BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904) 462-2144.

SOURCECODE: CITATION:

PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-09-29: INDEFINITE BOUNDARY.

DIG.DATES:

TRANSCRIBR: 94-09-29 GES CDREV: Y

MAPPER: 94-12-15 MLE QC: Y

Record Maintenance:

LEADRESP:

EDITION:

EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-27	37
USFLHP	VVG	95-01-09	7/11/13/15/16/17/18/20/21/
USFLHP	VVG	95-01-09	COPY

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS:

NC.VALUES:

NC.VALUE.COM:

EC OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-09-29: INDEFINITE BOUNDARY.

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP:

STRATA:

COLL/PHOTO#:

Element Occurrence Record
HYDRIC HAMMOCK

Identifiers:

Elcode EO# State:
ECODE: CPU0000000*038*FL FONUM: IDENT: Y
SNAME: HYDRIC HAMMOCK
SCOMNAME:
ELEMENT RANKS: GRANK: G? NRANK: SRANK: S4?

Locators:

NATION: US SITECODE: S.USFLHP*6155
SITENAME: FISH TAIL SWAMP
SURVEYSITE: PNAFLSTJO024; LITTLE FISH TAIL SWAMP-CR 204

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLSTJO St Johns

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
DINNER ISLAND NE 2908163 18 4,8

LAT: 293923N S: N
LONG: 0811942W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

TOWNRANGE: SECTION: MERIDIAN: TRSNOTE:
01 029E 1 TA SE1/4SE1/4

DIRECTIONS: From US 1 just N of the Flagler Co. line, go W on CR 204 ca.
2.5 mi. EO is on N side of road.

PHYS PROV: WATERSHED:
AL 03080201

Status:

SURVEYDATE: 1994-09-29 LASTOBS: 1994-09-29 FIRSTOBS: 1994-09-29
EORANK: C EORANKDATE: 1994-09-29
EORANKCOM: Some old stumps present; uplands on E and W sides clearcut.
Trash dumping including old truck tires.

EODATA: Hydric hammock ca. 400' wide. Most trees ≤ 8 " DBH. Visual
estimates of dominant species were: canopy- Quercus
laurifolia (20% cover, ≤ 16 " DBH, 50' tall), Liquidambar
styraciflua (10%, 10", 50'), Acer rubrum (20%, ≤ 12 "), Ulmus
americana (10%, ≤ 12 "), and Taxodium ascendens (5%, ≤ 18 ");
subcanopy- Carpinus caroliniana (20%, ≤ 6 " , 10-30');
understory- Itea virginica (5%, 3-6'); groundcover-
Chasmanthium sp. (10%). Open water ca. 10' wide and 18" deep
(12" below banks) was confined to stream bed on 1994-09-29;
strong flow to S was evident.

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

EOTYPE:

GENDESC: Creek drains Fish Tail Swamp to the N and flows into Stevens Branch ca. 700' S of CR 204. Floodplain area at S end of swamp very narrow with clearcuts on both sides. Upland ridges parallel to the swamp converted to pine plantations. Scattered houses were along the S side of CR 204 with a mowed yard extending up to the W side of the creek.

MINELEV: 35 MAXELEV: SIZE: 40

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER: OWNERINFO:

OWNERCOM:

General Comments:

COMMENTS: Aerial photos: FDOT PD4123-10-04; flown 2-18-93.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS: Y
BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904)
462-2144.

SOURCECODE: CITATION:
PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY
DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-09-29: INDEFINITE BOUNDARY.

DIG.DATES:

TRANSCRIBR: 94-09-29 GES CDREV: Y
MAPPER: 94-12-15 MLE QC: Y

Record Maintenance:

LEADRESP:

EDITION: EDAUTHOR:

Maintenance History:

OFFICE: INITIALS: CHANGE.DATE: CHANGE.FIELDS:

USFLHP	VVG	95-01-27	37
USFLHP	VVG	95-01-09	7/11/13/15/16/17/20/21/33/
USFLHP	VVG	95-01-09	COPY

M/ AL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS: NC.VALUES: NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

D1 COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-09-29: INDEFINITE BOUNDARY.

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP: STRATA: COLL/PHOTO#:

Element Occurrence Record
FLOODPLAIN SWAMP

Identifiers:

Elcode EO# State:
ECCODE: CPC0000000*040*FL FONUM: IDENT: Y
SNAME: FLOODPLAIN SWAMP
SCOMNAME:
ELEMENT RANKS: GRANK: G? NRANK: SRANK: S4?

Locators:

NATION: US SITECODE: S.USFLHP*6153
SITENAME: HASTINGS DEEP CREEK
SURVEYSITE: PNAFLSTJO002; DEEP CREEK- SE OF SR 207

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLSTJO St Johns

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
SPUDS 2908164 7 2,3

LAT: 294319N S: N
LONG: 0812906W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

TC RANGE: SECTION: MERIDIAN: TRSNOTE:
00 028E 16 TA

DIRECTIONS: From Hastings, go NE on SR 207 ca. 1.5 miles to the Deep Creek bridge (just prior to SR 206). EO is to the SE.

PHYS PROV: WATERSHED:
AL 03080103

Status:

SURVEYDATE: 1994-06-29 LASTOBS: 1994-10-13 FIRSTOBS: 1994-06-29
EORANK: B-C EORANKDATE: 1994-10-13
EORANKCOM: Degraded by past logging and clearing of adjacent lands for agriculture. Trash and exotic plant species common.

EODATA: Floodplain swamp with good diversity but lacking many large trees. Mixed composition with largest trees 16-20" DBH. Dominant vegetation included Taxodium ascendens, Acer rubrum, Quercus laurifolia, Ulmus americana, Fraxinus caroliniana, Liquidambar styraciflua, Cephalanthus occidentalis, and Sabal minor. The exotics Colocasia esculentum (wild taro) and Brachiaria mutica (para grass) locally abundant. Old stumps present. High water on 1994-10-13: 12-24" deep in floodplain away from main creek channel. Trash and litter in water and nearby woods.

C ACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

EOTYPE:

SENEDESC: Floodplain swamp along the upper reaches of the blackwater stream Deep Creek. Floodplain broadens to ca. 2000' wide near SR 207. Surrounding uplands were cleared agricultural fields which have ditches draining into the swamp.

LINELEV: 0 MAXELEV: 15 SIZE: 550

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER: OWNERINFO:

OWNERCOM:

General Comments:

COMMENTS: No upland buffer. Aerial photos: FDOT PD4123-6-05 to 6-07; flown 2-19-93.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS: Y

BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904) 462-2144.

SOURCECODE: CITATION:

PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-10-13: INDEFINITE BOUNDARY.

DIG.DATES:

TRANSCRIBR: 94-10-13 GES CDREV: Y

MAPPER: 94-12-15 MLE QC: Y

Record Maintenance:

LEADRESP:

EDITION: EDAUTHOR:

Maintenance History:

OFFICE: INITIALS: CHANGE.DATE: CHANGE.FIELDS:
USFLHP VVG 95-01-12 37

EOR.OPT7:

NC.FIELDS:
75D

NC.VALUES:

NC.VALUE.COM:

EC OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM:

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP:

STRATA:

COLL/PHOTO#:

Element Occurrence Record
HYDRIC HAMMOCK

Identifiers:

Elcode EO# State:
EA DE: CPU0000000*039*FL FONUM: IDENT: Y
SNAME: HYDRIC HAMMOCK
SCOMNAME:
ELEMENT RANKS: GRANK: G? NRANK: SRANK: S4?

Locators:

NATION: US SITECODE: S.USFLHP*6153
SITENAME: HASTINGS DEEP CREEK
SURVEYSITE: PNAFLSTJO002; DEEP CREEK-BYRD, N OF SR 13

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLSTJO St Johns

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
SPUDS 2908164 12 3,6

LAT: 294048N S: N
LONG: 0812806W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

TOWNRANGE: SECTION: MERIDIAN: TRSNOTE:
00 028E. 38 TA N1/4

DIRECTIONS: From SR 207 in Hastings, go SE on SR 13 ca. 3.8 miles to the
Deep Creek bridge (just prior to Mt. Olive Church in Byrd).
EO is on the N side of road and W of bridge.

PHYS PROV: WATERSHED:
AL 03080103

Status:

SURVEYDATE: 1994-10-13 LASTOBS: 1994-10-13 FIRSTOBS: 1994-10-13
EORANK: B-C EORANKDATE: 1994-10-13
EORANKCOM: Degraded by past logging and clearing of adjacent lands for
agriculture. Trash common.

EODATA: Narrow band of hydric hammock along edge of floodplain
swamp. Visual estimates of dominant plant species were:
canopy- Quercus laurifolia (35% cover, 16-24" DBH, 40'
tall), Liquidambar styraciflua (35%, 16", 50'), and Celtis
laevigata (10%, 12", 40'); subcanopy- Acer rubrum (15%, 6',
20-30') Liquidambar styraciflua (10%, 6"); understory- Sabal
minor (20%, 3'); and groundcover- Toxicodendron radicans
(50%). High water on 1994-10-13: most of hydric hammock
under water up to 12" deep. Trash and litter in water and
nearby woods.

CC ACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

EOTYPE:

GENDESC: Narrow hydric hammock above floodplain swamp along the upper reaches of Deep Creek. Surrounding uplands were cleared agricultural fields which have ditches draining into the swamp.

MINELEV: 5 MAXELEV: 10 SIZE: 8

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER: OWNERINFO:

OWNERCOM:

General Comments:

COMMENTS: No upland buffer. Aerial photos: FDOT PD4123-6-05 to 6-07; flown 2-19-93.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS: Y

BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904) 462-2144.

SOURCECODE: CITATION:

PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP DATE: 1994-10-13: INDEFINITE BOUNDARY.

DIG.DATES:

TRANSCRIBR: 94-10-13 GES CDREV: Y
MAPPER: 94-12-15 MLE QC: Y

Record Maintenance:

LEADRESP:

EDITION: EDAUTHOR:

Maintenance History:

OFFICE: INITIALS: CHANGE.DATE: CHANGE.FIELDS:
USFLHP VVG 95-01-12 37

USFLHP	VVG	95-01-09	7/11/13/15/16/17/20/21/33/
USFLHP	VVG	95-01-09	COPY

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS: NC.VALUES: NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DI OM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-10-13: INDEFINITE BOUNDARY.

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP: STRATA: COLL/PHOTO#:

Element Occurrence Record
PYCNANTHEMUM FLORIDANUM

Identifiers:

Elcode EO# State:
EOCODE: PDLAM1N060*012*FL FONUM: IDENT: Y
SNAME: PYCNANTHEMUM FLORIDANUM
SCOMNAME: FLORIDA MOUNTAIN-MINT
ELEMENT RANKS: GRANK: G3 NRANK: SRANK: S3

Locators:

NATION: US SITECODE: S.USFLHP*6153
SITENAME: HASTINGS DEEP CREEK
SURVEYSITE:

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLSTJO St Johns

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
SPUDS 2908164 1

LAT: 294329N S: 0
LONG: 0812858W N: 0
E: 0
W: 0

COORD.COM:

TW RANGE: SECTION: MERIDIAN: TRSNOTE:
009S028E 16 TA N CENTRAL EDGE

DIRECTIONS: NE OF HASTINGS 2 MI; ALONG SR 206 AT SE CORNER OF JCT WITH
SR 207 [NEXT TO DEEP CREEK].

PHYS PROV: WATERSHED:
AL 03080103

Status:

SURVEYDATE: LASTOBS: 1979-08-15 FIRSTOBS: 1944
EORANK: EORANKDATE:
EORANKCOM:

EODATA: 1979-08-15: SMALL COLONY, FLOWERING, FRUITING. 1944- 05-31:
GROWING BESIDE HIGHWAY NEAR HASTINGS; FLOWERING.

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

EOTYPE:
GENDESC: MOIST SANDY BANKS OF ROADSIDE DITCH.

MINELEV: 5 MAXELEV: SIZE: 0

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER: OWNERINFO:

OWNERCOM:

General Comments:

COMMENTS: S44AMEUF RECORD IN GENERAL AREA OF BEST SOURCE RECORD.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS: 75D

Documentation:

DATASENS: BOUNDARIES: PHOTOS:
BESTSOURCE: PERKINS, K.D. (664) WITH JOHN BROOKS. 15 AUGUST 1979.
SPECIMEN #139959 UF.

SOURCECODE: CITATION:

S79PERUFFLUS

S44AMEUFFLUS

SPECIMENS:

CONTRACT:

DIG.METHOD:

DIG.COM:

DIG.DATES:

TRANSCRIBR: 83-09-30 HFB CDREV: Y

MAPPER: 83-09-30 HFB QC: Y

Record Maintenance:

LEADRESP:

EDITION: EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-31	4/7/15/16
USFLHP	JA	94-08-10	89
USFLHP	BJM	88-03-02	ALL

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM:

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

C' RACT:

ECOREGION: 75D

EOR.OPT7:

NC.FIELDS:
75D

NC.VALUES:

NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM:

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP:

STRATA:

COLL/PHOTO#:

Element Occurrence Record
ELANOIDES FORFICATUS

Identifiers:

Elcode EO# State:
EOCODE: ABNKC04010*005*FL FONUM: IDENT: Y
SNAME: ELANOIDES FORFICATUS
SCOMNAME: AMERICAN SWALLOW-TAILED KITE
ELEMENT RANKS: GRANK: G5 NRANK: SRANK: S2S3

Locators:

NATION: US SITECODE: S.USFLHP*6155
SITENAME: FISH TAIL SWAMP
SURVEYSITE: PNAFLSTJO024; LITTLE FISH TAIL SWAMP

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLSTJO St Johns

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
DINNER ISLAND NE 2908163 16 4,7

LAT: 293951N S: N
LONG: 0811953W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

TOWNSHIP: RANGE: SECTION: MERIDIAN: TRSNOTE:
010S029E 1 TA NE 1/4

DIRECTIONS: From US 1 just N of the Flagler Co. line, go W on CR 204 ca.
2.5 mi. to bridge. EO was on N side of road.

PHYSProv: WATERSHED:
AL 03080201

Status:

SURVEYDATE: 1994-06-29 LASTOBS: 1994-06-29 FIRSTOBS: 1994-06-29
EORANK: B? EORANKDATE: 1994-06-29
EORANKCOM: No nests observed but good habitat present.

EODATA: Six swallow-tailed kites were observed soaring over the
trees at the edge of the basin swamp.

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

EOTYPE:
GENDESC: Suitable habitat present: basin swamp and hydric hammock
system 6 mi long N-S and up to 0.5 mi wide E-W. Many large
trees (some ≤ 24 " DBH and 60+' tall) of numerous species
including tall pines on the edges. Bounded by xeric ridges
which have been cutover and converted to pine plantations.
Swamp connects to Pellicer Creek to the S.

MINELEV: 28 MAXELEV: SIZE:

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER: OWNERINFO:

OWNERCOM:

General Comments:

COMMENTS: Aerial photos: FDOT PD4123-10-05 to 10-09; flown 2-18-93.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: PHOTOS: Y

BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904)
462-2144.

SOURCECODE: CITATION:

PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY

DIG.METHOD:

DIG.COM:

DIG.DATES:

TRANSCRIBR: 94-06-29 GES CDREV: Y

MAPPER: 94-12-15 MLE QC: Y

Record Maintenance:

LEADRESP:

EDITION: EDAUTHOR:

Maintenance History:

OFFICE: INITIALS: CHANGE.DATE: CHANGE.FIELDS:

USFLHP VVG 95-01-27 37

USFLHP VVG 95-01-09 7/11/13/15/16/17/20/21/33/

USFLHP VVG 95-01-09 COPY

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS:

NC.VALUES:

NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM:

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP:

STRATA:

COLL/PHOTO#:

Element Occurrence Record
NOLINA ATOPOCARPA

Identifiers:

Elcode EO# State:
EOCODE: PMAGA08020*111*FL FONUM: IDENT: Y
SNAME: NOLINA ATOPOCARPA
SCOMNAME: FLORIDA BEAR-GRASS
ELEMENT RANKS: GRANK: G3 NRANK: SRANK: S3

Locators:

NATION: US SITECODE: S.USFLHP*6155
SITENAME: FISH TAIL SWAMP
SURVEYSITE:

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLSTJO St Johns

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
DINNER ISLAND NE 2908163 11 2,1

LAT: 294432 S:
LONG: 0812130 N:
E:
W:

COORD.COM:

TERRANGE: SECTION: MERIDIAN: TRSNOTE:
S029E 03 TA

DIRECTIONS: 1.3 KM WEST OF JCT WITH I-95 ON SR206, 50 M SOUTH OF ROAD.

PHYS PROV: WATERSHED:
AL 03080201

Status:

SURVEYDATE: 1985-08-11 LASTOBS: 1985-08-11 FIRSTOBS: 1985
EORANK: EORANKDATE:
EORANKCOM:

EODATA: 10 PLANTS SEEN, INFLO PANICLE 1.12 M HT WITH SINGLE BRANCH
ACAULESCENT PERENNIAL, 61 CM HT WITH 4 ROSETTES FROM
BULB-LIKE BASES; LEAVES LIGHT GREEN/BL GREEN.

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

EOTYPE:
GENDESC: SANDY RIDGES IN LOW, MOIST AREA NEAR CLEARED PINE LOTS.

MINELEV: 40 MAXELEV: SIZE: 0

Protection:

IACODE: MANAME: MATYPE: CONTAINED:

IORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

IGMTCOM:

PROTCOM:

Ownership:

OWNER: OWNERINFO:

OWNERCOM:

General Comments:

COMMENTS:

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: PHOTOS:
BESTSOURCE: CANTINO, P (#637); JAMES DICE AND M DONOGHUE. 1985.
SPECIMEN SAN DIEGO MUSEUM OF NATURAL HISTORY.

SOURCECODE: CITATION:
385CANSDFLUS

SPECIMENS:

CONTRACT:
DIG.METHOD:

DIG.COM:

DIG.DATES:
TRANSCRIBR: 87-06-24 DW CDREV: Y
MAPPER: 87-06-25 DW QC: Y

Record Maintenance:

LEADRESP:
EDITION: EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-31	7
USFLHP	MLL	89-05-23	ALL

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM:

FOR.OPT2:

FOR.OPT3:

EOR.OPT4:

CONTRACT:

REGION: 75D

EOR.OPT7:

NC.FIELDS:
75D

NC.VALUES:

NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM:

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP:

STRATA:

COLL/PHOTO#:

MGMTCOM:

PROTCOM:

Ownership:

OWNER:

OWNERINFO:

OWNERCOM:

General Comments:

COMMENTS:

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS: 75D

Documentation:

DATASENS:

BOUNDARIES:

PHOTOS:

BESTSOURCE: R.K. GODFREY AND WILLIAM LINDSEY, 1958 SPECIMEN FS 40816.

SOURCECODE: CITATION:

PNDGOD01FLUS GODFREY, ROBERT K., 2021 CHULI NENE, TALLAHASSEE, FL 32301. 904/8
358GODFSFLUS

SPECIMENS:

CONTRACT:

DIG.METHOD:

COM:

DIG.DATES:

TRANSCRIBR: 90-06-05 KAB CDREV: Y

MAPPER: 90-06-05 KAB QC: Y

Record Maintenance:

LEADRESP:

EDITION:

EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-31	7
USFLHP	JA	94-08-10	89
USFLHP	VVG	90-09-20	ALL

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM:

FOR.OPT2:

FOR.OPT3:

FOR.OPT4:

CONTRACT:

SCOREGION: 75D

Element Occurrence Record
RHYNCHOSPORA PUNCTATA

Identifiers:

Elcode EO# State:
EOCODE: PMCYPON1V0*001*FL FONUM: IDENT:
SNAME: RHYNCHOSPORA PUNCTATA
SCOMNAME: PINELAND BEAK-RUSH
ELEMENT RANKS: GRANK: G1? NRANK: SRANK: SU

Locators:

NATION: US SITECODE: S.USFLHP*6155
SITENAME: FISH TAIL SWAMP
SURVEYSITE:

PRECISION: M

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLSTJO St Johns

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
DINNER ISLAND NE 2908163 13 2,1

LAT: 294437N S:
LONG: 0812113W N:
E:
W:

COORD.COM:

TOWNRANGE: SECTION: MERIDIAN: TRSNOTE:
009S029E 02 TA

DIRECTIONS: 11 MI. E. OF HASTINGS [MAPPER ASSUMED ALONG RT. 206 FROM RT.
207].

PHYS PROV: WATERSHED:
AL 03080103

Status:

SURVEYDATE: LASTOBS: 1958-06-03 FIRSTOBS: 1958
EORANK: EORANKDATE:
EORANKCOM:

EODATA:

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

EOTYPE:
GENDESC: CLEARING OF CYPRESS POND

MINELEV: 40 MAXELEV: SIZE: 0

Protection:

MACODE: MANAME: MATYPE: CONTAINED

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

USFLHP	VVG	95-01-09	7/11/13/15/16/17/18/20/21/
USFLHP	VVG	95-01-09	COPY

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS: NC.VALUES: NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-10-13: INDEFINITE BOUNDARY.

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP: STRATA: COLL/PHOTO#:

Element Occurrence Record
ELANOIDES FORFICATUS

Identifiers:

Elcode EO# State:
ECCODE: ABNKC04010*004*FL FONUM: IDENT: Y
SNAME: ELANOIDES FORFICATUS
SCOMNAME: AMERICAN SWALLOW-TAILED KITE
ELEMENT RANKS: GRANK: G5 NRANK: SRANK: S2S3

Locators:

NATION: US SITECODE: S.USFLHP*6154
SITENAME: TRESTLE BAY SWAMP
SURVEYSITE: PNAFLSTJO019; TRESTLE BAY SWAMP- CR 214

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLSTJO St Johns

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
ELKTON 2908174 4 8,2

LAT: 295139N S: N
LONG: 0812417W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

TOWNRANGE: SECTION: MERIDIAN: TRSNOTE:
C 3029E 29 TA S1/2S1/2

DIRECTIONS: From US 1 in St. Augustine, go W on CR 214 ca. 4 miles to I-95. EO is ca. 0.5 mile W of I-95 on the N and S sides of CR 214.

PHYS PROV: WATERSHED:
AL 03080103

Status:

SURVEYDATE: 1994-06-28 LASTOBS: 1994-06-28 FIRSTOBS: 1994-06-28
EORANK: B? EORANKDATE: 1994-06-28
EORANKCOM: No nests observed but good habitat present.

EODATA: Four swallow-tailed kites were observed for five minutes soaring over the trees in the basin swamp dominated by Gordonia lasianthus and Taxodium ascendens.

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

EOTYPE:
GENDESC: Habitat suitable: large basin swamp with dense even age canopy and tall pines. Visual estimates of dominant plants included Gordonia lasianthus (60% cover, ≤ 12 " DBH, 40' tall), Taxodium ascendens (15%), Nyssa biflora (10%), Pinus elliottii (10%, ≤ 18 " DBH), Ilex cassine (5%), Lyonia lucida (10%), Osmunda cinnamomea (25%), and Woodwardia virginica

(15%). Surrounded by wet to mesic flatwoods, much of which has been cutover and converted to pine plantations.

MINELEV: 35 MAXELEV: SIZE:

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER: OWNERINFO:

OWNERCOM:

General Comments:

COMMENTS: Aerial photos: FDOT PD4123-08-13 to 8-19; flown 2-19-93.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: PHOTOS:

BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904) 462-2144.

SOURCECODE: CITATION:

PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY

DIG.METHOD:

DIG.COM:

DIG.DATES:

TRANSCRIBR: 94-06-28 GES CDREV: Y

MAPPER: 94-09-01 MLE QC: Y

Record Maintenance:

LEADRESP:

EDITION: EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-12	37
USFLHP	VVG	95-01-09	6/7/11/13/15/16/17/20/21/3
USFLHP	VVG	95-01-09	COPY

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS: NC.VALUES: NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM:

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP: STRATA: COLL/PHOTO#:

Element Occurrence Record
BASIN SWAMP

Identifiers:

Elcode EO# State:
ECCODE: CPK0000000*022*FL FONUM: IDENT: Y
SNAME: BASIN SWAMP
SCOMNAME:
ELEMENT RANKS: GRANK: G4? NRANK: SRANK: S3

Locators:

NATION: US SITECODE: S.USFLHP*6154
SITENAME: TRESTLE BAY SWAMP
SURVEYSITE: PNAFLSTJO019; TRESTLE BAY SWAMP

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLSTJO St Johns

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
ELKTON 2908174 2 8,2
BAKERSVILLE 2908184 10 8,10

LAT: 295135N S: N
LONG: 0812418W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

RANGE: SECTION: MERIDIAN: TRSNOTE:
007S029E 29 TA
008S029E 4, TA

DIRECTIONS: To reach Section 29 from US 1 in St. Augustine, go W on CR 214 ca. 4 miles to I-95. EO is ca. 0.5 mile W of I-95 on the N and S sides of CR 214. To reach Section 8 from US 1 in St. Augustine, go SW on SR 207 ca. 6.5 miles (past I-95) to Vermont Heights. Turn N on Allen Neese Road and go ca. 0.5 mile to unused railroad tracks. Park here and walk NE along tracks ca. 0.7 mile to the swamp on the N side of the railroad grade.

PHYSPROV: WATERSHED:
AL 03080103

Status:

SURVEYDATE: 1994-06-28 LASTOBS: 1994-10-13 FIRSTOBS: 1994-06-28
EORANK: A-B EORANKDATE: 1994-06-28
EORANKCOM: Degraded by past logging but undisturbed in recent years.

EODATA: Basin swamp with dense even-age canopy. Visual estimates of dominant species were made in two locations. At the bottom of Section 29, dominants included: canopy- Gordonia lasianthus [30-60% cover, ≤12" (rarely 18") DBH, 40-50' tall], Taxodium ascendens (15%, ≤12", 50'), Nyssa biflora (10%), Magnolia virginiana (5%, ≤12"), and Pinus elliottii (10%, ≤18"); subcanopy- Ilex cassine (5%, 6", 20-30'); understory- Lyonia lucida (10%); groundcover- Osmunda

cinnamomea (25%) and Woodwardia virginica (25%). Standing water ca. 6" or more deep on 1994-06-28; 12" or more deep on 1994-10-13, with strong flow N through culverts under road. Scattered old stumps. In Section 8, NE1/4 of SW1/4 of NE1/4, dominants were: canopy-Nyssa biflora (40% cover, ≤12" DBH, 40' tall), Gordonia lasianthus (20%), Taxodium ascendens (10%), Magnolia virginiana (10%), Pinus elliottii (5%), Acer rubrum, Persea palustris, and Liquidambar styraciflua; understory- Lyonia lucida (35 to 75%) and Myrica cerifera (10%); groundcover- Osmunda cinnamomea (10%), O. regalis (5%), and Woodwardia virginica (10%). Small area of standing water in lowest part of swamp on 1994-06-29. Scattered old pine stumps along edge; old turpentine catfaces on largest pines. Thick mat of leaf litter.

CONTACTID:
CONTACT.NOTE:

CONTACT.NAME:

Description:

ECOTYPE:

GENDESC: Basin swamp six miles long N-S and up to one mile wide E-W. Surrounded by wet to mesic flatwoods, much of which has been cutover and converted to pine plantations. Large county landfill (covering ca. 200 acres) located less than 600' W of swamp 0.8-2.0 mi S of CR 214.

MINLEV: 40 MAXLEV: SIZE: 1700

Protection:

ACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER: OWNERINFO:
OWNERCOM:

General Comments:

COMMENTS: Aerial photos: FDOT PD4123-08-13 to 8-19; flown 2-19-93.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS: Y
BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904) 462-2144.

SOURCECODE: CITATION:

PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY
DIG.METHOD: ARC/INFO

D COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-06-28: INDEFINITE BOUNDARY.

DIG.DATES: 95-03-10 MRR
TRANSCRIBR: 94-06-28 GES CDREV: Y
MAPPER: 94-12-16 MLE QC: Y

Record Maintenance:

LEADRESP:
EDITION: EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-12	37
USFLHP	VVG	95-01-09	6/7/9/11/13/15/16/17/18/19
USFLHP	VVG	95-01-09	COPY

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

E .OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS: NC.VALUES: NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD: ARC/INFO

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-06-28: INDEFINITE BOUNDARY.

DIG.DATES: 95-03-10 MRR

EOR.OPT16:

EOR.OPT17:

PLANT.SPP: STRATA: COLL/PHOTO#:

Element Occurrence Record
MESIC FLATWOODS

Identifiers:

Elcode EO# State:
ECCODE: CTE0000000*101*FL FONUM: IDENT: Y
SNAME: MESIC FLATWOODS
SCOMNAME:
ELEMENT RANKS: GRANK: G? NRANK: SRANK: S4

Locators:

NATION: US SITECODE: S.USFLHP*6154
SITENAME: TRESTLE BAY SWAMP
SURVEYSITE: PNAFLSTJO019; TRESTLE BAY SWAMP-RAILROAD GRADE

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLSTJO St Johns

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
ELKTON 2908174 3 9,4

LAT: 294938N S: N
LONG: 0812346W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

TOWNRANGE: SECTION: MERIDIAN: TRSNOTE:
S029E 8, TA NE1/4 of NE1/4

DIRECTIONS: From US1 in St. Augustine, go SW on SR 207 ca. 6.5 miles
(past I-95) to Vermont Heights. Turn N on Allen Neese Road
and go ca. 0.5 mile to unused railroad tracks. Park here and
walk NE along tracks ca. 0.9 mile to the mesic flatwoods on
the N side of the railroad grade.

PHYSPROV: WATERSHED:
AL 03080103

Status:

SURVEYDATE: 1994-06-29 LASTOBS: 1994-06-29 FIRSTOBS: 1994-06-29
EORANK: B-C EORANKDATE: 1994-06-29
EORANKCOM:

EODATA: Mesic flatwoods with Pinus palustris canopy. Visual
estimates of dominant species on N side of railroad grade
were: canopy- Pinus palustris (60% cover, ≤ 12 " DBH, 40-50'
tall), Pinus elliotii (5%- on edges of flatwoods);
subcanopy- Gordonia lasianthus (10%, 20-30'), Ilex cassine
(5%, 10-30'); understory- dense Serenoa repens (95%, 3-4').
Appears to be relatively undisturbed but lacks herbaceous
diversity due to lack of fire.

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

DOTYPE:

DESC: Surrounded by basin swamp. Flatwoods further E in SW1/4 of Section 4 recently clearcut to swamp edge. Basin swamp was six miles long N-S and up to one mile wide E-W; surrounded by wet to mesic flatwoods, much of which has been cutover and converted to pine plantations. Large county landfill (covering ca. 200 acres) located less than 600' W of swamp 0.8-2.0 mi S of CR 214.

MINLEV: 40 MAXLEV: SIZE: 100

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER: OWNERINFO:

OWNERCOM:

General Comments:

COMMENTS: Aerial photos: FDOT PD4123-08-15; flown 2-19-93.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS: Y

BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904) 462-2144.

SOURCECODE: CITATION:

PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-06-29: INDEFINITE BOUNDARY.

DIG.DATES:

TRANSCRIBR: 94-06-29 GES CDREV:
MAPPER: 94-12-16 MLE QC: Y

Record Maintenance:

LEADRESP:

EDITION: EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-27	37
USFLHP	VVG	95-01-09	6/7/11/13/15/16/17/18/20/2
USFLHP	VVG	95-01-09	COPY

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS: NC.VALUES: NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

L METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-06-29: INDEFINITE BOUNDARY.

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP: STRATA: COLL/PHOTO#:

Element Occurrence Record
BASIN MARSH

Identifiers:

Elcode EO# State:
EOCODE: CPL0000000*012*FL FONUM: IDENT: Y
SNAME: BASIN MARSH
SCOMNAME:
ELEMENT RANKS: GRANK: G? NRANK: SRANK: S4?

Locators:

NATION: US SITECODE: S.USFLHP*6158
SITENAME: BARBERVILLE DEEP CREEK
SURVEYSITE: PNAFLVLU012; DEEP CREEK-OLD TRAM ROAD

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLVLU Volusia

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
LAKE DIAS 2908123 35 1,6
PIERSON 2908124 23 10,7

LAT: 291048N S: N
LONG: 0812159W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

1. NRANGE: SECTION: MERIDIAN: TRSNOTE:
015S029E 23 TA S1/2

DIRECTIONS: Have aerial photo or quad map handy. From SR 11, go W on SR 40 ca. 3.0 miles to a dirt road heading S (Bee Rd.). Turn S and go ca. 0.7 mi to dirt road running NE-SW (Deep Creek Rd.). Turn SW and go ca. 0.3 mi. Turn S at next road (Tram Rd.) and go 0.7 mi to the end. EO is reached by walking ca. 500' S along the overgrown and eroded old tram road which crosses the swamp.

PHYS PROV: WATERSHED:
AL 03080101

Status:

SURVEYDATE: 1994-08-24 LASTOBS: 1994-08-24 FIRSTOBS: 1994-08-24
EORANK: B EORANKDATE: 1994-08-24
EORANKCOM: No evidence of recent disturbance in marsh or logging in surrounding basin swamp.

EODATA: The E end of basin marsh was in Section 23 S1/2. The marsh continued ca. one mile to the W. Visual estimates of dominant species were: canopy- Acer rubrum (20% cover) and Nyssa biflora (10%); subcanopy- Salix caroliniana (30%); groundcover- Cladium jamaicense (50%) and Woodwardia virginica. Other species observed included Apios americana, Asclepias incarnata, Cornus foemina, and Hibiscus coccineus. Water ca. 12" deep on 1994-08-24.

CONTACTID: CONTACT.NAME:

CONTACT.NOTE:

Description:

NOTYPE:

SEDESC: The marsh was surrounded by a basin swamp which continued W ca. 2 mi and was over a mi wide N-S. The old overgrown tram road provided a N-S transect across the basin: planted pines; a band of Taxodium/Nyssa/Acer; solid Taxodium; marsh with Salix caroliniana/Cladium jamaicense; a second band of Taxodium/Nyssa/Acer; and young planted pines (7-20' tall). Surrounding uplands converted to pine plantations.

LINELEV: 10 MAXELEV: SIZE: 165

Protection:

ACODE: MANAME: MATYPE: CONTAINED:

ORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

GMTCOM:

PROTCOM:

Ownership:

OWNER: OWNERINFO:
OWNERCOM: N3/4 of Section 22, N1/2 of Section 23, and NW 1/4 Section 24 recently purchased by St. Johns River Water Management District as part of the Strother Tract.

General Comments:

COMMENTS: Aerial photo: FDOT PD4038-6-14; flown 1-21-92.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS:
BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904) 462-2144.

SOURCECODE: CITATION:
PND SCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY
DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PND SCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-08-24: INDEFINITE BOUNDARY.

DIG.DATES:

TRANSCRIBR: 94-08-24 GES CDREV: Y
MAPPER: 94-12-08 MLE QC: Y

Record Maintenance:

LEADRESP:

EDITION:

EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-27	37
USFLHP	VVG	95-01-09	7/9/11/13/15/16/17/18/20/2
USFLHP	VVG	95-01-09	COPY

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS:

NC.VALUES:

NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-08-24: INDEFINITE BOUNDARY.

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP:

STRATA:

COLL/PHOTO#:

Element Occurrence Record
BASIN SWAMP

Identifiers:

Elcode EO# State:
ECCODE: CPK0000000*030*FL FONUM: IDENT: Y
SNAME: BASIN SWAMP
SCOMNAME:
ELEMENT RANKS: GRANK: G4? NRANK: SRANK: S3

Locators:

NATION: US SITECODE: S.USFLHP*6158
SITENAME: BARBERVILLE DEEP CREEK
SURVEYSITE: PNAFLVOLU12; DEEP CREEK-TRUCK TRAIL #11

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLVOLU Volusia

QUADNAME:	QUADCODE:	MARGNUM:	DOTNUM:	TENTEN:
LAKE DIAS	2908123	26		1,3
CODYS CORNER	2908133	10		3,10
PIERSON	2908124	20		10,2

LAT: 291321N S: N
LONG: 0812205W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

TOWNRANGE: SECTION: MERIDIAN: TRSNOTE:
015S029E 2 TA NW4SE4

DIRECTIONS: Must have 4WD vehicle. From US 17 in Barberville, go E on SR 40 ca. 3.3 miles to slight bend in road. Turn N on rough (deep sand and sometimes mud) dirt Truck Trail #11 and go ca. 1.0 mi. Park on W side of road and walk NW 1000' across clearcut flatwoods to swamp.

PHYSPROV: WATERSHED:
AL 03080101

Status:

SURVEYDATE: 1994-09-13 LASTOBS: 1994-09-13 FIRSTOBS: 1994-09-13
EORANK: B EORANKDATE: 1994-09-13
EORANKCOM: Old cypress stumps present. Some areas of flatwoods recently clearcut up to edge of swamp. No recent disturbance was evident in the swamp.

EODATA: Visual estimates of dominant species were made in two locations. In Section 2, the basin swamp ca. 1 mi in diameter with baygall in center. In Section 2 NW4SE4, dominants were: canopy- Taxodium ascendens (20% cover, ≤14" DBH, 50' tall), Nyssa biflora (50%, ≤12", 50'), Acer rubrum (20%, ≤12"), and Gordonia lasianthus (5%, <9", 40'); subcanopy- Ilex cassine (10%, 6", 10-30') and Myrica cerifera (5%, 10-20'); understory- Lyonia lucida (25%, 5-7') and Myrica cerifera (10%, 5-10'); groundcover- Woodwardia

virginica (10%) and Saururus cernuus (10%); vine-Toxicodendron radicans. Open water 12" deep covered ca. 50% of the ground on 1994-08-19; estimated ordinary high water ca. 16". Adjacent flatwoods/pine plantation to the E recently clearcut up to edge of swamp. Abundant Gordonia lasianthus occurred as a band ca. 30' wide at the clearcut flatwoods/swamp ecotone. In Section 36 SW4SW4, this narrow part of the swamp extended over 1.5 mi N-S. Dominant species were: canopy- Taxodium ascendens (20% cover, 8-12" DBH, 40' tall), Acer rubrum (30%, 12-22"), and Nyssa biflora (30%, 8-12"); subcanopy- Myrica cerifera (20%); understory- Lyonia lucida (10%) and Myrica cerifera (10%); groundcover-Saururus cernuus (30%). Water ca. 6-12" deep under trees in center on 1994-08-19; ordinary high water ca. 18". No flow was evident.

CONTACTID:
CONTACT.NOTE:

CONTACT.NAME:

Description:

NOTYPE:
ENDESC: Large basin swamp consisted of several sub-basins with narrow connections. Surrounding uplands converted to pine plantations (some recently clearcut).

LINELEV: 25 MAXELEV: SIZE:

Protection:

IACODE: MANAME: MATYPE: CONTAINED:

IORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

IGMTCOM:

PROTCOM:

Ownership:

OWNER: OWNERINFO:
OWNERCOM: St. Johns River Water Management District recently purchased most of this area as the Strother Tract. It has an option to add Sections 2 and 3 west of Truck Trail #11.

General Comments:

COMMENTS: Aerial photos: FDOT PD4038-6-16, 8-27; flown 1-21-92.
Additional tenten for quad 2908124: 10,3.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS: Y
BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904) 462-2144.

SOURCECODE: CITATION:

ENDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY
DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-09-13: INDEFINITE BOUNDARY.

DIG.DATES:

TRANSCRIBER: 94-09-13 GES CDREV: Y
MAPPER: 94-12-07 MLE QC: Y

Record Maintenance:

LEADRESP:

EDITION: EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-27	37
USFLHP	VVG	95-01-09	7/9/11/13/15/16/17/20/21/3
USFLHP	VVG	95-01-09	COPY

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS: NC.VALUES: NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-09-13: INDEFINITE BOUNDARY.

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP:

STRATA:

COLL/PHOTO#:

Element Occurrence Record
BASIN SWAMP

Identifiers:

Elcode EO# State:
E CODE: CPK0000000*031*FL FONUM: IDENT: Y
SNAME: BASIN SWAMP
SCOMNAME:
ELEMENT RANKS: GRANK: G4? NRANK: SRANK: S3

Locators:

NATION: US SITECODE: S.USFLHP*6158
SITENAME: BARBERVILLE DEEP CREEK
SURVEYSITE: PNAFLVOLU012; DEEP CREEK- OLD TRAM ROAD

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLVOLU Volusia

QUADNAME:	QUADCODE:	MARGNUM:	DOTNUM:	TENTEN:
LAKE DIAS	2908123	34		1,6
PIERSON	2908124	22		9,6

LAT: 291039N S: N
LONG: 0812156W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

RANGE: SECTION: MERIDIAN: TRSNOTE:
015S029E 23 TA SE1/4

DIRECTIONS: Have aerial photo or quad map in hand. From SR 11, go W on SR 40 ca. 3.0 miles to a dirt road heading S (Bee Rd.). Turn S and go ca. 0.7 mi to dirt road running NE-SW (Deep Creek Rd.). Turn SW and go ca. 0.3 mi. Turn S at next road (Tram Rd.) and go 0.7 mi to the end. EO is reached by walking S along the overgrown and eroded old tram road which crosses the swamp.

PHYS PROV: WATERSHED:
AL 03080101

Status:

SURVEYDATE: 1994-08-24 LASTOBS: 1994-08-24 FIRSTOBS: 1994-08-24
EORANK: B EORANKDATE: 1994-08-24
EORANKCOM: Old cypress stumps 30" in diameter were present. No evidence of recent logging in swamp. Surrounding uplands converted to pine plantations.

EODATA: Basin swamp extending nearly 0.5 mi N-S at this point. Visual estimates of dominant species were: canopy- Taxodium ascendens [60-90% cover, 8-18" (rarely 24+)" DBH, 50' tall], Nyssa biflora (10-20%), and Acer rubrum (10%); subcanopy- Acer rubrum (30%, 6-8", 20-30') and Ilex cassine (5%); understory- Myrica cerifera (10%) and Itea virginica (5%); groundcover- Osmunda regalis (10%); vine- Toxicodendron radicans. Water was ca. 12" deep under trees in center and

was flowing W on 1994-08-24; ordinary high water was estimated to be ca. 18". Two adult Agkistrodon piscivorus conanti (cottonmouth snakes ca. 24 and 36" long) were observed in swamp.

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

NOTYPE:
SENDESC: The basin swamp continued W ca. 2 miles and was over a mile wide N-S in some places. The old tram road provided the following N-S transect across the basin: planted pines; a band of Taxodium/Nyssa/Acer; solid Taxodium; marsh with Salix caroliniana/Cladium jamaicense; a second band of Taxodium/Nyssa/Acer; and young planted pines (7-20' tall). The flatwoods E of tram road and S of swamp appeared to have been selectively cutover in recent past. Surrounding uplands converted to pine plantations.

LINELEV: 10 MAXELEV: SIZE: 900

Protection:

ACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER: OWNERINFO:
OWNERCOM: N3/4 of Section 22, N1/2 of Section 23, and NW 1/4 Section 24 recently purchased by St. Johns River Water Management District as part of the Strother Tract.

General Comments:

COMMENTS: Aerial photo: FDOT PD4038-7-21; flown 1-21-92.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS: Y
BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904) 462-2144.

SOURCECODE: CITATION:

PDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-08-24: INDEFINITE BOUNDARY.

DIG.DATES:
TRANSCRIBER: 94-08-24 GES CDREV: Y
MAPPER: 94-12-08 MLE QC: Y

Record Maintenance:

LEADRESP:
EDITION: EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-27	37
USFLHP	VVG	95-01-09	7/9/11/13/15/16/17/18/20/2
USFLHP	VVG	95-01-09	COPY

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

F REGION:

EOR.OPT7:

NC.FIELDS: NC.VALUES: NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-08-24: INDEFINITE BOUNDARY.

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP: STRATA: COLL/PHOTO#:

Element Occurrence Record
BASIN SWAMP

Identifiers:

Elcode EO# State:
ECCODE: CPK0000000*032*FL FONUM: IDENT: Y
SNAME: BASIN SWAMP
SCOMNAME:
ELEMENT RANKS: GRANK: G4? NRANK: SRANK: S3

Locators:

NATION: US SITECODE: S.USFLHP*6158
SITENAME: BARBERVILLE DEEP CREEK
SURVEYSITE: PNAFLVOLLU012; DEEP CREEK-SR 40 BY BARBERVILLE

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLVOLLU Volusia

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
PIERSON 2908124 33 8,5

LAT: 291139N S: N
LONG: 0812407W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

TOWNRANGE: SECTION: MERIDIAN: TRSNOTE:
C 3029E 16 TA SE4NE4SW4

DIRECTIONS: From US 17 in Barberville, go E on SR 40 ca. 1.2 miles to a slight bend in the road. The EO is N and S of the road.

PHYS PROV: WATERSHED:
AL 03080101

Status:

SURVEYDATE: 1994-08-24 LASTOBS: 1994-08-24 FIRSTOBS: 1994-08-24
EORANK: C EORANKDATE: 1994-08-24
EORANKCOM: Old cypress stumps were present. Most trees appeared to be young (≤ 8 " DBH). Surrounding uplands converted to pine plantations.

EODATA: Basin swamp extending N and S from SR 40 and connected under the road. Visual estimates of dominant species were: canopy- *Nyssa biflora* (40% cover, 8-16" DBH, 40' tall), *Quercus laurifolia* (20%, ≤ 16 "), *Taxodium ascendens* (5%, ≤ 14 "), and *Acer rubrum* (10%, ≤ 12 "); subcanopy- *Acer rubrum*, *Nyssa biflora*, and *Quercus laurifolia*; understory- *Sabal palmetto* (20-30%, 6-12'); groundcover- *Rhynchospora* sp., *Panicum* sp., and *Toxicodendron radicans*. Water was 3-12" deep and was flowing S on 1994-08-24; ordinary high water was estimated to be ca. 18".

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

NOTYPE:

ENDESC: The basin swamp continued NE ca. 2 miles and was ca. 0.25 mile wide N-S in some places. It connected to the Deep Creek drainage to the SE by a corridor narrowing to ca. 500' wide at one point. Surrounding uplands converted to pine plantations.

INELEV: 15 MAXELEV: 25 SIZE: 310

Protection:

IACODE: MANAME: MATYPE: CONTAINED:

IORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

IGMTCOM:

PROTCOM:

Ownership:

OWNER: OWNERINFO:
OWNERCOM: The area south of SR 40 recently purchased by St. Johns River Water Management District as part of the Strother Tract.

General Comments:

COMMENTS: Aerial photo: FDOT PD4038-6-14; flown 1-21-92.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS: Y
BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904) 462-2144.

SOURCECODE: CITATION:
PND SCH03 FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PND SCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-08-24: INDEFINITE BOUNDARY.

DIG.DATES:

TRANSCRIBER: 94-08-24 GES CDREV: Y
MAPPER: 94-12-13 MLE QC: Y

Record Maintenance:

LEADRESP:

EDITION: EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-27	37
USFLHP	VVG	95-01-09	7/11/13/15/16/17/18/20/21/
USFLHP	VVG	95-01-09	COPY

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS: NC.VALUES: NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

D.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-08-24: INDEFINITE BOUNDARY.

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP: STRATA: COLL/PHOTO#:

Element Occurrence Record
BAYGALL

Identifiers:

Elcode EO# State:
ECCODE: CPS0000000*038*FL FONUM: IDENT: Y
SNAME: BAYGALL
SCOMNAME:
ELEMENT RANKS: GRANK: G4? NRANK: SRANK: S4?

Locators:

NATION: US SITECODE: S.USFLHP*6158
SITENAME: BARBERVILLE DEEP CREEK
SURVEYSITE: PNAFLVOLU012; SECTIONS 2 AND 3 BAYGALL

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLVOLU Volusia

QUADNAME:	QUADCODE:	MARGNUM:	DOTNUM:	TENTEN:
PIERSON	2908124	21		10,3
LAKE DIAS	2908123	33		1,2

LAT: 291324N S: N
LONG: 0812250W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

1. NRANGE: SECTION: MERIDIAN: TRSNOTE:
015S029E 3, TA NE4SE4

DIRECTIONS: Must have 4WD vehicle and topographic map or aerial photograph in hand. From US 17 in Barberville, go E on SR 40 ca. 3.4 miles to a slight bend in the road. Turn N on the graded dirt (but with numerous rough spots of deep sand or mud) Truck Trail #11 and go N ca. 2.1 miles. Turn W on graded Truck Trail #13 and go through scrub for ca. 0.5 mile. Passing a gate, continue SW on a rough jeep trail ca. 0.4 mile, then W another 0.25 mi onto the scrub ridge. Turn S on sandy jeep trail (Eagle Lane) and go 0.4 mi, then SW another 0.4 mi. At this intersection, turn E on a graded sand road and go 0.4 mi to a 90 degree curve S. Turn NW and go ca. 800' to a recently cutover area. Park here and walk E 400' to the baygall.

PHYSPROV: WATERSHED:
AL 03080101

Status:

SURVEYDATE: 1994-09-13 LASTOBS: 1994-09-13 FIRSTOBS: 1994-09-13
EORANK: A-B EORANKDATE: 1994-09-13
EORANKCOM: No recent human disturbance evident. Many large trees present. Uplands to W being cutover for pine timber on 1994-09-13.

EODATA: Large, elliptic baygall ca. 0.75 mi across. Canopy dense, closed, dominated by Gordonia of many sizes. Visual

estimates of dominant species were: canopy- Gordonia lasianthus [80% cover, 6-12"(\leq 18") DBH, 50' tall] and Pinus elliotii (10%, 12-18"); subcanopy- Gordonia lasianthus (10%, 4-6", 10-30') and Nyssa biflora (10%, \leq 6", 10-30'); understory- Gordonia lasianthus (10%, 1-10'); and groundcover- Osmunda cinnamomea (50%) and Woodwardia virginica (40%). Water 6" deep covered ca. 50% of the ground on 1994-09- 13.

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

NOTYPE:

DESC: The baygall was just N of a basin swamp, which together drain E to Deep Creek. Pine plantations on the adjacent uplands extend up to the baygall (most of which have been recently logged).

LINELEV: 25 MAXELEV: SIZE: 265

Protection:

ACODE: MANAME: MATYPE: CONTAINED:

ORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

GMTCOM:

PROTCOM:

Ownership:

OWNER: OWNERINFO:
OWNERCOM: St. Johns River Water Management District has an option to add this area to their recently purchased Strother Tract.

General Comments:

COMMENTS: Aerial photo: FDOT PD4038-6-16; flown 1-21-92.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS: Y
BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904) 462-2144.

SOURCECODE: CITATION:
PND SCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY
DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PND SCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-09-13: INDEFINITE BOUNDARY.

DIG.DATES:
TRANSCRIBR: 94-09-13 GES CDREV: Y
MAPPER: 94-12-08 MLE QC: Y

Record Maintenance:

LEADRESP:

EDITION: EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-27	37
USFLHP	VVG	95-01-09	7/9/11/13/15/16/17/18/20/2
USFLHP	VVG	95-01-09	COPY

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

E.OPT7:

NC.FIELDS: NC.VALUES: NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-09-13: INDEFINITE BOUNDARY.

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP: STRATA: COLL/PHOTO#:

Element Occurrence Record
BLACKWATER STREAM

Identifiers:

Elcode EO# State:
EELCODE: CRC0000000*033*FL FONUM: IDENT: Y
SNAME: BLACKWATER STREAM
SCOMNAME:
ELEMENT RANKS: GRANK: G4 NRANK: SRANK: S2

Locators:

NATION: US SITECODE: S.USFLHP*6158
SITENAME: BARBERVILLE DEEP CREEK
SURVEYSITE: PNAFLVOLU012; DEEP CREEK ROAD

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLVOLU Volusia

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
PIERSON 2908124 24 10,5
LAKE DIAS 2908123 36 1,5

LAT: 291122N S: N
LONG: 0812234W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

RANGE: SECTION: MERIDIAN: TRSNOTE:
015S029E 14 TA SW4SW4SW4

DIRECTIONS: Have topographic map or aerial photo in hand. From US 17 in Barberville, go E on SR 40 ca. 2.0 miles to a jeep trail (Well Road) on the S side of the road. Turn S and go 0.4 mi to the next intersection. Turn E (on Deep Creek Road) and go 0.5 mi, then SE 0.4 mi to a concrete bridge. The EO is on both sides of the road.

PHYSPROV: WATERSHED:
AL 03080101

Status:

SURVEYDATE: 1994-08-24 LASTOBS: 1994-08-24 FIRSTOBS: 1994-08-24
EORANK: B EORANKDATE: 1994-08-24
EORANKCOM: Water tannic but clear. Creek appeared to be channelized near bridge. Pine plantations on surrounding uplands extend right up to creek.

EODATA: Creek appeared to be channelized near bridge, ca. 30' wide and >2' deep. Water tannic but clear; its level appeared high on 1994-08-24 with a strong flow to S. No floodplain was present at bridge. Species in the water included Acer rubrum, Salix caroliniana, Cephalanthus occidentalis, Panicum hemitomon, and Woodwardia virginica. Taxodium ascendens were visible to the S where the stream was no longer constricted.

CONTACTID:
CONTACT.NOTE:

CONTACT.NAME:

Description:

EOTYPE:

GENDESC: Creek passed under a 24' long, single-lane concrete bridge. The creek had a narrow floodplain corridor <500' wide connecting a large basin swamp N of SR 40 to the Deep Creek basin swamp to the S. Surrounding uplands converted to pine plantations.

MINELEV: 10 MAXELEV: SIZE:

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER: SJRWMD OWNERINFO:
OWNERCOM: This area was recently purchased by St. Johns River Water Management District as part of the Strother Tract.

General Comments:

COMMENTS: Aerial photo: FDOT PD4038-6-14; flown 1-21-92.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS: Y
BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904) 462-2144.

SOURCECODE: CITATION:
PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY
DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-08-24: INDEFINITE BOUNDARY.

DIG.DATES:

TRANSCRIBR: 94-08-24 GES CDREV: Y
MAPPER: 94-12-08 MLE QC: Y

Record Maintenance:

LEADRESP:

EDITION: EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-27	37
USFLHP	VVG	95-01-09	7/9/11/13/15/16/17/18/20/2
USFLHP	VVG	95-01-09	COPY

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS: NC.VALUES: NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

I .METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-08-24: INDEFINITE BOUNDARY.

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP: STRATA: COLL/PHOTO#:

Element Occurrence Record
BOG

Identifiers:

Elcode EO# State:
ECCODE: CPT0000000*006*FL FONUM: IDENT: Y
SNAME: BOG
SCOMNAME:
ELEMENT RANKS: GRANK: G? NRANK: SRANK: S3

Locators:

NATION: US SITECODE: S.USFLHP*6158
SITENAME: BARBERVILLE DEEP CREEK
SURVEYSITE: PNAFLVOLU012; DEEP CREEK

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLVOLU Volusia

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
LAKE DIAS 2908123 31 1,2

LAT: 291405N S: N
LONG: 0812153W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

TENRANGE: SECTION: MERIDIAN: TRSNOTE:
G 3029E 34 TA SW1/4, SW1/4

DIRECTIONS: From US 17 in Barberville, go E on SR 40 at ca. 3.3 miles to graded dirt road on N side. Turn N and follow this rough and sometimes muddy road (Truck Trail 11) ca. 2.0 miles to sand road heading W. EO is to the E of this intersection.

PHYS PROV: WATERSHED:
AL 03080101

Status:

SURVEYDATE: 1994-08-19 LASTOBS: 1994-08-19 FIRSTOBS: 1994-08-19
EORANK: C EORANKDATE: 1994-08-19
EORANKCOM: Surrounded by planted slash pine (Pinus elliottii). Graded dirt road bordered W end of bog.

EODATA: Round depression ca. 400' in diameter. Visual estimates of dominate species in the center were: canopy- Magnolia virginia (65% cover, ≤ 6 " DBH, 10-20' tall) and Pinus elliottii (5% cover, 15-30'); understory- Lyonia lucida; groundcover- Woodwardia virginica; vine- Smilax laurifolia. A 40-50' wide band of dense Panicum hemitomon grew on the slope encircling the woody vegetation. Water 12+" deep filled the bog into the Panicum on 1994-08-19.

C' ACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

DOTYPE:

DESC: The bog was located on an upland ridge originally covered with xeric vegetation. The area immediately adjacent was a dense stand of young planted Pinus elliottii about 20' tall. To the S, pockets of scrub persisted for ca. 0.5 mi to the next main E-W dirt road. Mature sand pines grew W of the Truck Trail bordering the W side of the bog. Another smaller bog was 700' to the SE. Additional scrub ridges were ca. 1 mi W. Most of the surrounding uplands had been converted to pine plantations. A large basin swamp was to the S. A fern growing operation covered ca. 280 cleared acres 0.25 miles NW.

MINLEV: 40 MAXLEV: SIZE: 4

Protection:

ACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM: The surrounding slash pine plantations isolated this bog from other natural areas.

PROTCOM:

Ownership:

OWNER: SEE OWNERCOM OWNERINFO:
OWNERCOM: St. Johns River Water Management District has option to purchase as part of the Strother Tract.

General Comments:

COMMENTS: Aerial photo: FDOT PD4038-7-24; flown 1-21-92.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS: Y
BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904) 462-2144.

SOURCECODE: CITATION:
PND SCH03 FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PND SCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-08-19: INDEFINITE BOUNDARY.

DIG.DATES: 94-12-12 DL
TRANSCRIBER: 94-08-19 GES CDREV: Y
MAPPER: 94-12-08 MLE QC: Y

Record Maintenance:

LEADRESP:

EDITION:

EDAUTHOR:

Maintenance History:

OFFICE: INITIALS: CHANGE.DATE: CHANGE.FIELDS:

USFLHP VVG 94-12-21 37/64

USFLHP VVG 94-12-21 7/11/13/15/16/17/20/21/33/

USFLHP VVG 94-12-20 COPY

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS:

NC.VALUES:

NC.VALUE.COM:

1 .OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-08-19: INDEFINITE BOUNDARY.

DIG.DATES: 94-12-12 DL

EOR.OPT16:

EOR.OPT17:

PLANT.SPP:

STRATA:

COLL/PHOTO#:

Element Occurrence Record
FLOODPLAIN SWAMP

Identifiers:

Elcode EO# State:
E CODE: CPC0000000*050*FL FONUM: IDENT: Y
SNAME: FLOODPLAIN SWAMP
SCOMNAME:
ELEMENT RANKS: GRANK: G? NRANK: SRANK: S4?

Locators:

NATION: US SITECODE: S.USFLHP*6158
SITENAME: BARBERVILLE DEEP CREEK
SURVEYSITE: PNAFLVOLU012; DEEP CREEK SR 40

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLVOLU Volusia

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
LAKE DIAS 2908123 32 1,4

LAT: 291221N S: N
LONG: 0812200W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

TOWNRANGE: SECTION: MERIDIAN: TRSNOTE:
(3029E 11 TA S1/2,SE1/4

DIRECTIONS: From US 17 in Barberville, go E on SR 40 ca. 3.4 miles to
bridge. EO is on N and S sides of road.

PHYS PROV: WATERSHED:
AL 03080101

Status:

SURVEYDATE: 1994-08-19 LASTOBS: 1994-08-19 FIRSTOBS: 1994-08-19
EORANK: B-C EORANKDATE: 1994-08-19
EORANKCOM: Old cypress stumps present. Recently clearcut up to E edge
of swamp. No large trees observed.

EODATA: Floodplain swamp 400-500' wide draining basin swamp to NE.
Visual estimates of dominant species were: canopy- Taxodium
ascendens (50% cover, ≤8" DBH, 40' tall), Acer rubrum (20%),
and Nyssa biflora (30%); subcanopy- Ilex cassine (10%, 8",
20-30'); groundcover- Woodwardia virginica (15%) and Osmunda
cinnamomea (5%); vine- Toxicodendron radicans. Open water
6+" deep covered ca. 20% of the ground under the trees on
1994-08-19; ordinary high water ca. 18".

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

EOTYPE:
GENDESC: Adjacent flatwoods/ pine plantation to the E recently

clearcut up to edge of swamp. Surrounding uplands converted
to pine plantations.

LINELEV: 10 MAXELEV: 20 SIZE: 95

Protection:

IACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

IGMTCOM:

PROTCOM:

Ownership:

OWNER: SEE OWNERCOM OWNERINFO:
OWNERCOM: Recently purchased by St. Johns River Water Management
District as part of the Strother Tract.

General Comments:

COMMENTS: Aerial photo: FDOT PD4038-7-22; flown 1-21-92.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS: Y
BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904)
462-2144.

SOURCECODE: CITATION:

PND SCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PND SCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-08-19. INDEFINITE BOUNDARY.

DIG.DATES: 94-12-12 DL

TRANSCRIBER: 94-08-19 GES CDREV: Y

MAPPER: 94-12-08 MLE QC: Y

Record Maintenance:

LEADRESP:

EDITION: EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	94-12-21	37/64
USFLHP	VVG	94-12-21	53/54
USFLHP	VVG	94-12-21	33
USFLHP	VVG	94-12-21	7/11/13/15/16/17/18/20/21/
USFLHP	VVG	94-12-20	COPY

MANUAL.FILE.NOTE:

Optional Fields:

C D.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS: NC.VALUES: NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-08-19. INDEFINITE BOUNDARY.

D DATES: 94-12-12 DL

EOR.OPT16:

EOR.OPT17:

PLANT.SPP: STRATA: COLL/PHOTO#:

Element Occurrence Record
HYDRIC HAMMOCK

Identifiers:

Elcode EO# State:
ECODE: CPU0000000*036*FL FONUM: IDENT: Y
SNAME: HYDRIC HAMMOCK
SCOMNAME:
ELEMENT RANKS: GRANK: G? NRANK: SRANK: S4?

Locators:

NATION: US SITECODE: S.USFLHP*6158
SITENAME: BARBERVILLE DEEP CREEK
SURVEYSITE: PNAFLVOLU012; DEEP CREEK ROAD

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLVOLU Volusia

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
PIERSON 2908124 34 9,5

LAT: 291118N S: N
LONG: 0812357W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

TOWNRANGE: SECTION: MERIDIAN: TRSNOTE:
S029E 16 TA SE4SW4SE4|NE4NW4NE4

DIRECTIONS: Have topographic map or aerial photo in hand. From US 17 in Barberville, go E on SR 40 ca. 2.0 miles to a jeep trail (Well Road) on the S side of the road. Turn S and go 0.4 mi to the next intersection. Turn W (on Deep Creek Road) and go 0.4 mi, then SW 0.25 mi to a wooden bridge. The EO is on both sides of the road.

PHYS PROV: WATERSHED:
AL 03080101

Status:

SURVEYDATE: 1994-08-24 LASTOBS: 1994-08-24 FIRSTOBS: 1994-08-24
EORANK: B-C EORANKDATE: 1994-08-24
EORANKCOM: Old cypress stumps were present. Few large trees. Creek appeared to be channelized at bridge. Surrounding uplands converted to pine plantations.

EODATA: Hydric hammock extended NW-SE ca. 0.4 mile and was ca. 0.25 mile wide in some places. Visual estimates of dominant species were: canopy - Nyssa biflora (20% cover, ≤20" DBH, 40' tall), Quercus laurifolia (20%, ≤12"), Acer rubrum (10%, ≤12"), Magnolia virginiana (10%, ≤18"), and Taxodium ascendens (5%, ≤10"); subcanopy - Sabal palmetto (30%, 10-30') and Carpinus caroliniana (30%, 6", 30'); understory - Sabal palmetto (50%, 1-6'); groundcover - Woodwardia aerolata (20%) and Osmunda regalis (10%). Water was tannic, confined to 20' wide creek, and flowing SE on 1994-08-24.

CONTACTID: CONTACT.NAME:

CONTACT.NOTE:

Description:

EOTYPE:

ENDESC: Creek flowed S after passing under 16' long, single-lane wooden bridge. The creek connects to the Deep Creek basin swamp to the S. Surrounding uplands converted to pine plantations.

LINELEV: 12 MAXELEV: 20 SIZE: 750

Protection:

IACODE: MANAME: MATYPE: CONTAINED:

IORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

IGMTCOM:

PROTCOM:

Ownership:

OWNER: SJRWMD OWNERINFO:
OWNERCOM: This area was recently purchased by St. Johns River Water Management District as part of the Strother Tract.

General Comments:

COMMENTS: Aerial photo: FDOT PD4038-6-14; flown 1-21-92.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS: Y
BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904) 462-2144.

SOURCECODE: CITATION:

PND SCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PND SCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-08-24: INDEFINITE BOUNDARY.

DIG.DATES:

TRANSCRIBR: 94-08-24 GES CDREV: Y

MAPPER: 94-12-13 MLE QC: Y

Record Maintenance:

LEADRESP:

EDITION: EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-27	37/46
USFLHP	VVG	95-01-09	7/11/13/15/16/17/18/20/21/
USFLHP	VVG	95-01-09	COPY

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS: NC.VALUES: NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-08-24: INDEFINITE BOUNDARY.

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP: STRATA: COLL/PHOTO#:

Element Occurrence Record
MESIC FLATWOODS

Identifiers:

Elcode EO# State:
E _ODE: CTE0000000*162*FL FONUM: IDENT: Y
SNAME: MESIC FLATWOODS
SCOMNAME:
ELEMENT RANKS: GRANK: G? NRANK: SRANK: S4

Locators:

NATION: US SITECODE: S.USFLHP*6158
SITENAME: BARBERVILLE DEEP CREEK
SURVEYSITE: PNAFLVLU012; DEEP CREEK

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLVLU Volusia

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
LAKE DIAS 2908123 28 4,1

LAT: 291436N S: N
LONG: 0812001W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

TOWNRANGE: SECTION: MERIDIAN: TRSNOTE:
(3029E 35 TA NE1/4

DIRECTIONS: Have aerial photo or quad maps handy. From SR 40, go N on SR 11 ca. 0.5 mile to a dirt road heading W. Turn W and go ca. 0.5 mi to dirt road running NE. Turn right and follow this road NE for ca. 0.5 mi, then NW for 0.5 mi. EO is on W side of road.

PHYSPROV: WATERSHED:
AL 03080101

Status:

SURVEYDATE: 1994-08-19 LASTOBS: 1994-08-19 FIRSTOBS: 1994-08-19
EORANK: B-C EORANKDATE: 1994-08-19
EORANKCOM: Little herbaceous ground cover due to lack of fire.
Surrounding uplands converted to pine plantations.

EODATA: Mesic flatwoods adjacent to basin swamp. Older and larger Pinus elliottii away from road and closer to swamp. Visual estimates of dominant species were: canopy- Pinus elliottii [50-65% cover, 3-6"(10") DBH, 30-40' tall]; subcanopy- Gordonia lasianthus (20%, 3-8", 10-30'); understory- Serenoa repens (75+%, 2-4'), Lyonia lucida (10-20%, 2-6') and Ilex glabra (10%, 2-4'). Little herbaceous ground cover due to lack of fire.

C. PACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

EOTYPE:

GENDESC: Adjacent flatwoods E of road recently clearcut [1994].
Surrounding uplands converted to pine plantations. Logging
of pines was occurring on 1994-08-19. Adjacent basin swamp
with no recent disturbance.

MINELEV: 25 MAXELEV: SIZE:

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER: SEE OWNERCOM OWNERINFO:
OWNERCOM: Recently purchased by St. Johns River Water Management
District as part of the Strother Tract.

General Comments:

COMMENTS: Pines did not appear to have been planted but could have
been selectively thinned in the past. Aerial photo: FDOT
PD4038-8-27; flown 1-21-92.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS: Y
BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904)
462-2144.

SOURCECODE: CITATION:
PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY
DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-08-19: INDEFINITE BOUNDARY.

DIG.DATES: 94-12-12 DL
TRANSCRIBR: 94-08-19 GES CDREV: Y
MAPPER: 94-12-08 MLE QC: Y

Record Maintenance:

LEADRESP:
EDITION: EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	94-12-21	37/64
USFLHP	VVG	94-12-20	7/11/13/15/16/17/18/20/21/
USFLHP	VVG	94-12-20	COPY

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS: NC.VALUES: NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

I METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-08-19: INDEFINITE BOUNDARY.

DIG.DATES: 94-12-12 DL

EOR.OPT16:

EOR.OPT17:

PLANT.SPP: STRATA: COLL/PHOTO#:

Element Occurrence Record
SCRUB

Identifiers:

Elcode EO# State:
E JDE: CTA0000000*735*FL FONUM: IDENT: Y
SNAME: SCRUB
SCOMNAME:
ELEMENT RANKS: GRANK: G2 NRANK: SRANK: S2

Locators:

NATION: US SITECODE: S.USFLHP*6158
SITENAME: BARBERVILLE DEEP CREEK
SURVEYSITE: SITE #6 ON U900RZ02

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLVOLU Volusia

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
PIERSON 2908124 7 9,3

LAT: 291259N S: 291256N
LONG: 0812328W N: 291302N
E: 0812315W
W: 0812338W

COORD.COM:

TOWNRANGE: SECTION: MERIDIAN: TRSNOTE:
C 3029E 10 TA N2,NW4

DIRECTIONS: CA. 2.8 AIR MILES ENE OF BARBERVILLE.

PHYS PROV: WATERSHED:
AL 03080101

Status:

SURVEYDATE: 1990-11-21 LASTOBS: 1990-11-21 FIRSTOBS: 1990
EORANK: B EORANKDATE: 90-11-21
EORANKCOM: RELATIVELY INTACT SCRUB.

EODATA: SAND PINE (PINUS CLAUSA)-OAK SCRUB. OVERSTORY OF TALL
SCATTERED SAND PINE OVER A SAND LIVE OAK (QUERCUS
GEMINATA)-FETTERBUSH (LYONIA LUCIDA)-ROSEMARY (CERATIOLA
EXICOIDES) SHRUB LAYER. SAND SPIKEMOSS (SELAGINELLA
ARENICOLA), GOPHER APPLE (LICANIA MICHAUXII), AND JOINTWEED
(POLYGONELLA POLYGAMA) ARE FREQUENT WITH LICHENS IN SANDY
OPENINGS.

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

EOTYPE:
GEDESC: EAST-WEST TRENDING SAND RIDGE WITH SCRUB VEGETATION.

MINELEV: 30 MAXELEV: SIZE: 22

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: Y MOREMGMT: Y TNCINVOLVE:

MGMTCOM: INITIATE A PRESCRIBED BURNING PROGRAM.

PROTCOM: PROTECT FROM CLEARCUTTING.

Ownership:

OWNER: UNION CAMP CORPORATI OWNERINFO:

OWNERCOM:

General Comments:

COMMENTS:

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS: 75C

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS: N

BESTSOURCE: ORZELL, STEVE. 1990. ECOLOGICAL EVALUATION OF SELECTED UNION
CAMP LANDS, VOLUSIA COUNTY, 13 DECEMBER 1990.

SOURCECODE: CITATION:

U900RZ02FLUS ORZELL, STEVE. 1990. ECOLOGICAL EVALUATION OF SELECTED UNION CAMP

SPECIMENS:

CONTRACT:

DIG.METHOD:

DIG.COM:

DIG.DATES:

TRANSCRIBR: 91-08-21 SLO CDREV: Y

MAPPER: 91-10-07 TEO QC: Y

Record Maintenance:

LEADRESP:

EDITION: EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-30	7
USFLHP	JA	94-08-10	89
USFLHP	VVG	92-02-24	ALL

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM:

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT:

REGION: 75C

EOR.OPT7:

NC.FIELDS:
75C

NC.VALUES:

NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM:

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP:

STRATA:

COLL/PHOTO#:

Element Occurrence Record
SCRUB

Identifiers:

Elcode EO# State:
E ODE: CTA0000000*736*FL FONUM: IDENT: Y
SNAME: SCRUB
SCOMNAME:
ELEMENT RANKS: GRANK: G2 NRANK: SRANK: S2

Locators:

NATION: US SITECODE: S.USFLHP*6158
SITENAME: BARBERVILLE DEEP CREEK
SURVEYSITE: SITE #7 ON U900RZ02

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLVOLU Volusia

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
PIERSON 2908124 8 8,5

LAT: 291155N S: 291148N
LONG: 0812435W N: 291202N
E: 0812432W
W: 0812438W

COORD.COM:

TOWNRANGE: SECTION: MERIDIAN: TRSNOTE:
C 029E 16 TA NW4

DIRECTIONS: CA. 1 AIR MILE NE OF BARBERVILLE, CA. 0.5 AIR MILES NORTH OF
FL 40 ON EAST SIDE OF ROAD.

PHYSPROV: WATERSHED:
AL 03080101

Status:

SURVEYDATE: 1990-11-21 LASTOBS: 1990-11-21 FIRSTOBS: 1990
EORANK: C EORANKDATE: 90-11-21
EORANKCOM: OVERGROWN SCRUB, SUCCEEDING TO XERIC HAMMOCK?

EODATA: A FAIRLY OPEN SAND PINE-SAND LIVE OAK-SAW PALMETTO (PINUS
CLAUSA-QUERCUS GEMINATA-SERENOA REPENS) DOMINATED COMMUNITY.

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

EOTYPE:
GENDESC: SAND PINE FOREST/SCRUB WITH OAK COMPONENT, MIGHT BETTER BE
CONSIDERED AS A XERIC HAMMOCK, DUE TO FIRE SUPPRESSION.

MINELEV: 30 MAXELEV: SIZE: 13

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: Y MOREMGMT: Y TNCINVOLVE:

MGMTCOM:

PROTCOM: PROTECT FROM CLEAR-CUTTING AND SITE PREPARATION.

Ownership:

OWNER: UNION CAMP CORPORATI OWNERINFO:
OWNERCOM:

General Comments:

COMMENTS:

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS: 75C

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS: N
BESTSOURCE: ORZELL, STEVE. 1990. ECOLOGICAL EVALUATION OF SELECTED UNION
CAMP LANDS, VOLUSIA COUNTY, 13 DECEMBER 1990.

SOURCECODE: CITATION:

U90ORZ02FLUS ORZELL, STEVE. 1990. ECOLOGICAL EVALUATION OF SELECTED UNION CAMP

SPECIMENS:

CONTRACT:

DIG.METHOD:

DIG.COM:

DIG.DATES:

TRANSCRIBR: 91-08-21 SLO CDREV: Y
MAPPER: 91-10-07 TEO QC: Y

Record Maintenance:

LEADRESP:

EDITION: EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-30	7
USFLHP	JA	94-08-10	89
USFLHP	VVG	92-02-24	ALL

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM:

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT:

ECOREGION: 75C

OPT7:

NC.FIELDS:
75C

NC.VALUES:

NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM:

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP:

STRATA:

COLL/PHOTO#:

Element Occurrence Record
SCRUB

Identifiers:

Elcode EO# State:
L CODE: CTA0000000*899*FL FONUM: IDENT: Y
SNAME: SCRUB
SCOMNAME:
ELEMENT RANKS: GRANK: G2 NRANK: SRANK: S2

Locators:

NATION: US SITECODE: S.USFLHP*6158
SITENAME: BARBERVILLE DEEP CREEK
SURVEYSITE: PNAFLVLU012; DEEP CREEK SCRUB

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLVLU Volusia

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
LAKE DIAS 2908123 29 1,1

LAT: 291417N S: N
LONG: 0812155W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

TOWNRANGE: SECTION: MERIDIAN: TRSNOTE:
C 3029E 34 TA W2SW4
015S029E 1, TA

DIRECTIONS: Must have 4WD vehicle. From US 17 in Barberville, go E on SR 40 at ca. 3.3 miles to dirt road on N side. Turn N and follow this rough and sometimes muddy road (Truck Trail 11) ca. 2.2 miles to sand road heading W just S of fern shade house. EO is to the E of this intersection.

PHYSPROV: WATERSHED:
AL 03080101

Status:

SURVEYDATE: 1994-08-19 LASTOBS: 1994-08-19 FIRSTOBS: 1994-08-19
EORANK: C EORANKDATE: 1994-08-19
EORANKCOM: N part planted with slash pine (Pinus elliottii). No large trees observed.

EODATA: Open scrub cutover and converted to plantation of scrawny slash pines. Visual estimates of dominant species were: canopy- planted Pinus elliottii (20% cover, ≤5" DBH, 5-15' tall), Pinus clausa (15%, 4-15'); subcanopy- Quercus geminata (5%, 10'); understory- Ceratiola ericoides (25%, 3'), Lyonia ferruginea and Lyonia lucida (5%); groundcover- Cladonia lichens (5%); bare sand (20%). See field notes for species list. Some other species seen included Sabal etonia, Selaginella arenicola, and Garberia heterophylla. One active Gopherus polyphemus burrow 4" across was found. In T15SR29E, Section 1 NW4NW4 (ca. 0.6 mi SSE), the scrub had a dense oak

shrub strata and no planted pines. Dominants were: canopy- Pinus clausa (50% to W, 5% to E, $\leq 12"$, 40') and Quercus laevis (5%, $\leq 8"$, 25'); subcanopy- Quercus geminata, Q. chapmanii, Q. myrtifolia and Lyonia ferruginea (10%, $\leq 6"$, 10-20'); understory- Serenoa repens (50%, 3-4') and Q. spp. (65%, 3-10'); groundcover- Cladonia lichens and Licania michauxii (5%). Very little bare ground. A few old pine stumps (P. palustris? 18" in diameter just above the ground) were seen.

CONTACTID:
CONTACT.NOTE:

CONTACT.NAME:

Description:

EOTYPE:

3ENDESC:

The scrub's central area was as described. The area immediately to the N was a dense growth of planted (?) young Pinus clausa about 10-15' tall with little else. To the S, the planted P. elliotii were growing better in what was probably scrubby flatwoods. Pockets of scrub persisted S for ca. 0.75 mi to the next main E-W dirt road (Chesser Road). Mature sand pines (planted?) grew W of Truck Trail #11 just S of the fern shade house. The fern growing operation covered ca. 280 cleared acres to the NW. Additional scrub ridges were ca. 1 mi W. Most of the surrounding uplands had been converted to pine plantations. A large basin swamp was to the S.

MINELEV:

30

MAXELEV: 40

SIZE: 1150

Protection:

MACODE:

MANAME:

MATYPE: CONTAINED:

MORELAND:

MOREPROT:

MOREMGMT:

TNCINVOLVE:

MGMTCOM:

If the planted slash pines were cut in the very near future, the scrub might have a chance to restore itself.

PROTCOM:

Ownership:

OWNER:

SEE OWNERCOM

OWNERINFO:

OWNERCOM:

St. Johns River Water Management District has option to purchase W 1/2 Section 34 as part of the Strother Tract. Section 1 already purchased.

General Comments:

COMMENTS: Aerial photo: FDOT PD4038-7-24; flown 1-21-92.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS:

BOUNDARIES: Y

PHOTOS: Y

BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904) 462-2144.

SOURCECODE: CITATION:
PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

CIMENS:

CONTRACT: 1993 TIGER BAY
DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-08-19: INDEFINITE BOUNDARY.

DIG.DATES: 94-12-12 DL
TRANSCRIBER: 94-08-19 GES CDREV: Y
MAPPER: 94-12-08 MLE QC: Y

Record Maintenance:

LEADRESP:

EDITION: EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	94-12-21	37/64
USFLHP	VVG	94-12-20	7/11/13/15/16/17/18/19/20/
USFLHP	VVG	94-12-20	COPY

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS: NC.VALUES: NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-08-19: INDEFINITE BOUNDARY.

D DATES: 94-12-12 DL

EOR.OPT16:

EOR.OPT17:

PLANT.SPP:

STRATA:

COLL/PHOTO#:

Element Occurrence Record
GOPHERUS POLYPHEMUS

Identifiers:

Elcode EO# State:
L CODE: ARAAF01030*912*FL FONUM: 912 IDENT: Y
SNAME: GOPHERUS POLYPHEMUS
SCOMNAME: GOPHER TORTOISE
ELEMENT RANKS: GRANK: G3 NRANK: SRANK: S3

Locators:

NATION: US SITECODE: S.USFLHP*6158
SITENAME: BARBERVILLE DEEP CREEK
SURVEYSITE: PNAFLVOLU012; DEEP CREEK SCRUB

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLVOLU Volusia

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
LAKE DIAS 2908123 30 1,1

LAT: 291417N S: N
LONG: 0812155W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

TOWNRANGE: SECTION: MERIDIAN: TRSNOTE:
(3029E 34 TA W2SW4

DIRECTIONS: Must have 4WD vehicle. From US 17 in Barberville, go E on SR 40 at ca. 3.3 miles to dirt road on N side. Turn N and follow this rough and sometimes muddy road (Truck Trail 11) ca. 2.2 miles to sand road heading W just S of fern shade house. EO is to the E of this intersection.

PHYSPROV: WATERSHED:
AL 03080101

Status:

SURVEYDATE: 1994-08-19 LASTOBS: 1994-08-19 FIRSTOBS: 1994-08-19
EORANK: C? EORANKDATE: 1994-08-19
EORANKCOM: Habitat disturbed by planting of pines.

EODATA: One active Gopherus polyphemus burrow 4" across was found after brief search.

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

EOTYPE:
GENDESC: The cental area was open scrub cutover and converted to plantation of scrawny slash pines. Visual estimates of dominant species were: canopy- planted Pinus elliottii (20% cover, ≤5" DBH, 5-15' tall), Pinus clausa (15%, 4-15'); subcanopy- Quercus geminata (5%, 10'); understory- Ceratiola

ericoides (25%, 3'), Lyonia ferruginea and Lyonia lucida (5%); groundcover- Cladonia lichens (5%); bare sand (20%). Some other species seen included Sabal etonia, Selaginella arenicola, and Garberia heterophylla. See field notes for species list (VOLU.SCB). Immediately to the N was a dense growth of planted (?) young Pinus clausa about 10-15' tall. To the S, the planted P. elliotii were growing better in what was probably scrubby flatwoods. Pockets of scrub persisted S for ca. 0.75 mi to the next main E-W dirt road (Chesser Road). Mature sand pines (planted?) grew W of Truck Trail #11 just S of the fern shade house. The fern growing operation covered ca. 280 cleared acres to the NW. Additional scrub ridges were ca. 1 mi W. Most of the surrounding uplands had been converted to pine plantations. A large basin swamp was to the S.

MINELEV: 30 MAXELEV: 40 SIZE:

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM: If the planted slash pines were cut in the very near future, the scrub might have a chance to restore itself.

PROTCOM:

Ownership:

OWNER: SEE OWNERCOM OWNERINFO:
OWNERCOM: St. Johns River Water Management District has option to purchase W 1/2 Section 34 as part of the Strother Tract. Section 1 already purchased.

General Comments:

COMMENTS: Aerial photo: FDOT PD4038-7-24; flown 1-21-92.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: PHOTOS: Y
BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904) 462-2144.

SOURCECODE: CITATION:
PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY
DIG.METHOD:

DIG.COM:

DIG.DATES:

TRANSCRIBR: 94-08-19 GES CDREV: Y
MAPPER: 94-12-08 MLE QC: Y

Record Maintenance:

EDRESP:

EDITION:

EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	94-12-21	37/64
USFLHP	VVG	94-12-20	53/54/64
USFLHP	VVG	94-12-20	1/7/11/13/15/16/17/20/21/3
USFLHP	VVG	94-12-20	COPY

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS:

NC.VALUES:

NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM:

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP:

STRATA:

COLL/PHOTO#:

Element Occurrence Record
BAYGALL

Identifiers:

Elcode EO# State:
ECCODE: CPS0000000*037*FL FONUM: IDENT: Y
SNAME: BAYGALL
SCOMNAME:
ELEMENT RANKS: GRANK: G4? NRANK: SRANK: S4?

Locators:

NATION: US SITECODE: S.USFLHP*6159
SITENAME: DAN GEORGE LAKE
SURVEYSITE: PNAFLVOLU016; DAN GEORGE LAKE

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLVOLU Volusia

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
LAKE DIAS 2908123 27 4,4

LAT: 291224N S: N
LONG: 0812006W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

TOWNRANGE: SECTION: MERIDIAN: TRSNOTE:
G 3030E 7, TA E2SW4

DIRECTIONS: From SR 11, go W on SR 40 ca. 1.2 miles to a graded dirt road heading S (Winona Rd.). Turn S and go ca. 0.7 mi to sand pine scrub. Park on side of the road and walk E ca. 400' through planted pines and then an old fernery (with Asparagus plumosus planted under oaks) to reach the baygall.

PHYSPROV: WATERSHED:
AL 03080101

Status:

SURVEYDATE: 1994-08-24 LASTOBS: 1994-08-24 FIRSTOBS: 1994-08-24
EORANK: B-C EORANKDATE: 1994-08-24
EORANKCOM: Large trees but old stumps and logs present. Some of the area covered with Vitis rotundifolia due to past canopy removal. Most of surrounding uplands converted to pine plantations or fern nurseries.

EODATA: West end of baygall extending around Dan George Lake. Many large trees were present. Visual estimates of dominant species were: canopy- Gordonia lasianthus (70% cover, 20" DBH, 50' tall), Magnolia virginiana (10-20%), Nyssa biflora (10%), and Quercus nigra (5%); subcanopy- Gordonia lasianthus (30%, 20-30'); understory- Myrica cerifera (10%), Itea virginica (5%), and Lyonia lucida (5%); groundcover- Osmunda cinnamomea (30%). Soil was dry on 1994-08-24; ordinary high water was estimated to be ca. 12" but no recent signs of high water were seen.

CONTACTID:
CONTACT.NOTE:

CONTACT.NAME:

Description:

EOTYPE:

GENDESC: The baygall continued SE ca. 1 mile around Dan George Lake. The dense tangle of *Vitis rotundifolia* and *Rubus argutus* in areas lacking a tree canopy prevented observation of the lake. Uplands N and W of the lake were covered with planted pines. The NE4 Section 7 and NW4 Section 8 had planted slash pines $\leq 40'$ tall and $\leq 8"$ DBH growing over abundant 5-20' *Gordonia lasianthus*. Several fern growing nurseries were in the uplands bordering the baygall S of the lake.

MINELEV:

MAXELEV: 30

SIZE:

Protection:

MACODE:

MANAME:

MATYPE: CONTAINED:

MORELAND:

MOREPROT:

MOREMGMT:

TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER: SEE OWNERCOM OWNERINFO:
OWNERCOM: E2 and S2S4W of Section 7, W4 and SE4SW4 of Section 8
recently purchased by St. Johns River Water Management
District as part of the Strother Tract.

General Comments:

COMMENTS: Aerial photo: FDOT PD4038-8-25; flown 1-21-92.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS: Y
BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904)
462-2144.

SOURCECODE: CITATION:

PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-08-24: INDEFINITE BOUNDARY.

DIG.DATES: 94-12-12 DL

TRANSCRIBR: 94-08-24 GES CDREV: Y

MAPPER: 94-12-07 MLE QC: Y

Record Maintenance:

LEADRESP:

EDITION: EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	94-12-21	7
USFLHP	VVG	94-12-21	37
USFLHP	VVG	94-12-20	50/74
USFLHP	VVG	94-12-20	11/13/15/16/17/18/20/21/33
USFLHP	VVG	94-12-20	COPY

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

F OPT2:

EOR.OPT3:

FOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

FOR.OPT7:

NC.FIELDS:

NC.VALUES:

NC.VALUE.COM:

FOR.OPT11:

FOR.OPT12:

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-08-24: INDEFINITE BOUNDARY.

DIG.DATES: 94-12-12 DL

FOR.OPT16:

FOR.OPT17:

PLANT.SPP:

STRATA:

COLL/PHOTO#:

Element Occurrence Record
BASIN SWAMP

Identifiers:

Elcode EO# State:
E_CODE: CPK0000000*033*FL FONUM: IDENT: Y
SNAME: BASIN SWAMP
SCOMNAME:
ELEMENT RANKS: GRANK: G4? NRANK: SRANK: S3

Locators:

NATION: US SITECODE: S.USFLHP*6160
SITENAME: LITTLE HAW CREEK
SURVEYSITE: PNAFLVLU021; DEEP CREEK EAST OF DELAND

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLVLU Volusia

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
DAYTONA BEACH SW 2908112 12 3,3

LAT: 290550N S: N
LONG: 0811311W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

TOWNRANGE: SECTION: MERIDIAN: TRSNOTE:
C 031E 20 TA SE4NW4

DIRECTIONS: From I-95 in Daytona, go SW on US 92 ca. 9.5 miles to a slight bend in the road. EO is S of the road.

PHYS PROV: WATERSHED:
AL 03080201

Status:

SURVEYDATE: 1994-08-25 LASTOBS: 1994-08-25 FIRSTOBS: 1994-08-25
EORANK: A-B EORANKDATE: 1994-08-25
EORANKCOM: No evidence of recent logging in swamp- appears undisturbed for some time. A large canal ran N-S ca. 300' to the E.

EODATA: Basin swamp covering over 3 mi N-S and 1.5 mi E-W. Visual estimates of dominant species were: canopy- Taxodium ascendens [95% cover, 4-8" (16") DBH, 50' tall]; subcanopy- Ilex cassine (5%, 4-6", 20-30'); understory- Lyonia lucida (20%, 4-8'); groundcover- Panicum hemitomon (20%), Rhynchospora inundata (10%), and Carex sp. (5%). Cladium jamaicense (50%) dominated the ground cover to the E. Water was 12- 18" deep on 1994-08-25; ordinary high water estimated to be ca. 24"; no flow was evident.

CONTACTID: CONTACT.NAME:
C ACT.NOTE:

Description:

EOTYPE:

GENDESC: Large basin swamp extending from US 92 south to I-4. Large depression marshes at south end. Pine plantations dominated surrounding uplands with many recent clearcuts. City of Deland ca. 0.6 mi W.

MINELEV: 35 MAXELEV: SIZE: 1575

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER: OWNERINFO:
OWNERCOM:

General Comments:

COMMENTS: Aerial photo: FDOT PD4038-11-20; flown 1-21-92.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS: Y
BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904)
462-2144.

SOURCECODE: CITATION:
PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY
DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-08-25: INDEFINITE BOUNDARY.

DIG.DATES:

TRANSCRIBR: 94-08-25 GES CDREV: Y
MAPPER: 94-12-13 MLE QC: Y

Record Maintenance:

LEADRESP:
EDITION: EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-27	37
USFLHP	VVG	95-01-09	7/11/13/15/16/17/20/21/33/
USFLHP	VVG	95-01-09	COPY

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOE.OPT2:

EOE.OPT3:

EOE.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOE.OPT7:

NC.FIELDS: NC.VALUES: NC.VALUE.COM:

EOE.OPT11:

EOE.OPT12:

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-08-25: INDEFINITE BOUNDARY.

DIG.DATES:

EOE.OPT16:

EOE.OPT17:

PLANT.SPP: STRATA: COLL/PHOTO#:

Element Occurrence Record
FLOODPLAIN SWAMP

Identifiers:

Elcode EO# State:
ECODE: CPC0000000*048*FL FONUM: IDENT: Y
SNAME: FLOODPLAIN SWAMP
SCOMNAME:
ELEMENT RANKS: GRANK: G? NRANK: SRANK: S4?

Locators:

NATION: US SITECODE: S.USFLHP*6160
SITENAME: LITTLE HAW CREEK
SURVEYSITE: PNAFLFLAG026; LITTLE HAW CREEK-COUNTY LINE

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLFLAG Flagler
FLVOLU Volusia

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
CODYS CORNER 2908133 7 2,10

LAT: 291537N S: N
LONG: 0812125W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

T RANGE: SECTION: MERIDIAN: TRSNOTE:
014S029E 27 TA

DIRECTIONS: To reach Section 27 N1/4, have aerial photo or quad maps in hand. From SR 40, go N on SR 11 ca. 0.5 mile to a dirt road heading W. Turn W and go ca. 0.5 mi to dirt road running NE. Turn right and follow this winding road for ca. 0.5 NE, then ca. 2 mi NW to the county line where it ends at an E-W dirt road. Turn W and follow this winding road ca. 0.5 mi to a bridge. EO is on N and S sides of road.

PHYS PROV: WATERSHED:
AL 03080103

Status:

SURVEYDATE: 1994-08-19 LASTOBS: 1994-08-19 FIRSTOBS: 1994-08-19
EORANK: B EORANKDATE: 1994-08-19
EORANKCOM: No evidence of recent logging in swamp. Surrounding uplands converted to pine plantations and pastures.

EODATA: In Section 27 N1/4, the swamp broadened out ca. 0.5 mi E-W and had low species diversity in 100% canopy cover. Visual estimates of dominant species were: canopy- Taxodium ascendens (50% cover, ≤16" DBH, 40' tall) and Nyssa biflora (50%, 6-18"); subcanopy- Ilex cassine (20%, 20-30'); understory- Lyonia lucida (10%); groundcover- Cladium jamaicense (5%), Blechnum serrulatum (5%), and Woodwardia virginica (5%); and vine- Toxicodendron radicans. The density of the understory and groundcover increased away

from the center of the swamp. Open water ca. 12" deep under trees in center. No flow was evident.

CONTACTID:
CONTACT.NOTE:

CONTACT.NAME:

Description:

EOTYPE:

GENDESC: Little Haw Creek flows N and W into Lake Disston. Floodplain swamp narrower in Sections 23,14,15, and 16; practically nonexistent in Section 23 W of SR 11. Little Haw Creek (without floodplain swamp) connected to PNA VOLU21 E of SR 11. Surrounding uplands converted to pine plantations and pastures.

MINELEV: 25 MAXELEV: SIZE: 480

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER:

OWNERINFO:

OWNERCOM: Portion of swamp in Volusia County (Section 27) recently purchased by St. Johns River Water Management District as the Strother Tract.

General Comments:

COMMENTS: Aerial photo: FDOT PD4116-5-03; flown 2-18-93.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS: Y

BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904) 462-2144.

SOURCECODE: CITATION:

PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-08-19: INDEFINITE BOUNDARY.

DIG.DATES:

TRANSCRIBR: 94-08-19 GES CDREV: Y

MAPPER: 94-12-06 MLE QC: Y

Record Maintenance:

LEADRESP:

EDITION: EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-12	37
USFLHP	VVG	95-01-09	6/7/11/13/15/16/17/18/20/2
USFLHP	VVG	95-01-09	COPY

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

F OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS:

NC.VALUES:

NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-08-19: INDEFINITE BOUNDARY.

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP:

STRATA:

COLL/PHOTO#:

Element Occurrence Record
FLOODPLAIN SWAMP

Identifiers:

Elcode EO# State:
E CODE: CPC0000000*049*FL FONUM: IDENT: Y
SNAME: FLOODPLAIN SWAMP
SCOMNAME:
ELEMENT RANKS: GRANK: G? NRANK: SRANK: S4?

Locators:

NATION: US SITECODE: S.USFLHP*6160
SITENAME: LITTLE HAW CREEK
SURVEYSITE: PNAFLVOLU021; LAKE DIAS-SR 11

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLVOLU Volusia
FLFLAG Flagler

QUADNAME:	QUADCODE:	MARGNUM:	DOTNUM:	TENTEN:
LAKE DIAS	2908123	25		7,7
CODYS CORNER	2908133	9		4,10
DE LAND	2908113	17		10,1
DAYTONA BEACH SW	2908112	8		2,2

LAT: 291003N S: N
LONG: 0811754W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

TOWNRANGE: SECTION: MERIDIAN: TRSNOTE:
015S030E 28 TA NW4SE4

DIRECTIONS: Have topographic map or aerial photograph in hand. Five different locations in this EO were visited. [For Section 23 (Flagler County - SR 11), go north on SR 11 from SR 40 ca. 3.2 miles. EO is east and southeast of road.] For Section 28 NW4SE4 (Lake Dias- SR 11), go S on SR 11 from SR 40 ca. 4.5 mi. Turn W and park in the roadside park at the E end of Lake Dias. Walk to the EO on the E side of SR 11. For Section 37 SE4 (Clark Bay Road), go W on US 92 from I-95 in Daytona ca. 9.0 miles to the graded dirt Clark Bay Road. Turn N and go ca. 3.5 mi to a gate (usually locked). Turn W (passing through another usually locked gate) and follow this jeep trail ca. 0.6 mi. Pass through another locked gate and continue W ca. 100' to a N-S jeep trail. Turn right (NW at this point) and follow road ca. 0.3 mi. EO is W of the road. For Section 37 NE4NE4 (Lafayette Landings Drive), go S on SR 11 from SR 40 ca. 4.5 miles to the graded dirt Lafayette Landings Drive (just S of Lake Dias) on the E side. Turn E and follow this winding road ca. 1.7 mi to where the road becomes a causeway. EO is N and S of the causeway. For Section 4 SW4NW4 (SR40), go E on SR 40 from SR 11 ca. 0.6 mi. EO is N and S of the road.

PHYSPROV: WATERSHED:

Status:

SURVEYDATE: 1994-09-09 LASTOBS: 1994-09-09 FIRSTOBS: 1994-09-09
EORANK: B EORANKDATE: 1994-09-09
EORANKCOM: No evidence of recent logging in most of swamp.

EODATA:

Floodplain swamp extending over 10 mi N-S and 0.3 mi E-W. Estimates of dominant species were made visually. In Section 23 (Flagler County - SR 11): Floodplain swamp ca. 1000' wide at east side of SR 11 and broadening out towards the east. Moderate species diversity in 90% canopy cover. Largest trees ≤ 12 " DBH - a young forest with a multilayered canopy. Dominant species were: canopy - *Nyssa biflora* (50% cover, ≤ 12 " DBH, 40-50' tall), *Fraxinus caroliniana* (20%), *Taxodium ascendens* (10%), and *Acer rubrum* (5%); subcanopy - *Fraxinus* (20%) and *Ilex cassine* (10%); understory - *Lyonia lucida* (15%) and *Cephalanthus occidentalis* (15%); groundcover - *Blechnum serrulatum* (5%), *Woodwardia areolata* (5%) and *W. virginica* (5%); and vine - *Toxicodendron radicans* (10%). The density of the understory and groundcover increased further away from the main water channel. Very little standing water. Ordinary high water appeared to be ca. 18". The soil was saturated on 1994-07-13. Section 28 NW4SE4 (Lake Dias- SR 11): canopy- *Nyssa biflora* [30% cover, 12" (rarely > 20 ") DBH, 40-50' tall], *Acer rubrum* (20%, ≤ 20 ", 50'), *Fraxinus caroliniana* (30%), and *Magnolia virginiana* (5%); subcanopy- *Fraxinus caroliniana* (10%, 6", 20-30'), *Acer rubrum*, and *Ilex cassine*; understory- *Myrica cerifera* (5%, 6-10'), *Itea virginica* (5%, 4-7'), and *Lyonia lucida* (5%, 3-8'); and groundcover- *Blechnum serrulatum* (30%), *Woodwardia aerolata* (10%), *Dryopteris ludoviciana* (5%), and *Saururus cernuus* (10%). Floodplain swamp ca. 1200' wide by SR 11. High plant species diversity and many large trees (average 12", many ≥ 20 " DBH). Abundant ferns dominated the groundcover. Soil was saturated with numerous puddles 6-12" deep; open water covered ca. 20% of the ground. Water in the main channel was 6-12" deep with flow to the E on 1994-09-09. No stumps or sign of recent disturbance. In Sec. 37 SE4 (Clark Bay Road): canopy- *Taxodium ascendens* (65% cover, ≤ 12 " DBH, 40' tall) and *Nyssa biflora* (30%, ≤ 12 ", 40'); subcanopy- *Ilex cassine* (10%, 4-6", 20- 30') and *Myrica cerifera* (10%, 10-15'); understory- *Lyonia lucida* (20%, 4-10'); groundcover- *Cladium jamaicense* (50%) and *Woodwardia virginica* (30%). Water was 6" deep on 1994-09-08; ordinary high water estimated to be ca. 12"; no flow was evident. Old cypress stumps occasionally seen. Adjacent flatwoods to the E recently cutover. In Sec. 37 NE4NE4 (Lafayette Landings Drive): canopy- *Taxodium ascendens* (50% cover, ≤ 12 " DBH, 50' tall), *Nyssa biflora* (30%, ≤ 12 ", 40'), *Fraxinus* sp. (10%) and *Pinus elliotii* (10%); subcanopy- *Ilex cassine*; understory- *Lyonia lucida* (50%, 4-10') and *Myrica cerifera* (10%); and groundcover- *Cladium jamaicense* (25%). Open water covered ca. 30% of the ground. Water was > 12 -18" deep on 1994-09-09; estimated to be close to ordinary high water; strong flow to the N. Only evidence of recent disturbance was the road built across the swamp- the remainder appears undisturbed for some time. The road causeway acted as a dam across this

narrow point of the swamp, allowing water to flow N only through 3 series of 2 or 3 concrete culverts (each culvert ca. 3' in diameter). No old stumps seen from road. Adjacent flatwoods to the W recently clearcut. In Sec. 4 SW4NW4 (SR 40): canopy- *Taxodium ascendens* [30% cover, 8-10" (16" maximum) DBH, 50' tall], *Nyssa biflora* [50%, 12"(20"), 40-50'], and *Acer rubrum* [10%, 8-10"(16")]; subcanopy- *Fraxinus caroliniana* (10%, 6", 20-30'); understory- *Myrica cerifera* (10%, 6-10'); and groundcover- *Rhynchospora miliacea* (10%), *Panicum* spp. (10%), and *Lycopus rubellus* (5%). Open water covered ca. 20% of the ground. Water was 12-18" deep with strong flow to the N on 1994-09-09; estimated ordinary high water was 24". The floodplain swamp was ca. 800' wide with few large trees (average 8" DBH). Old cypress stumps present. North of SR 40, the swamp was narrower (See FLAG 26.FS2).

CONTACTID:
CONTACT.NOTE:

CONTACT.NAME:

Description:

EOTYPE:

GENDESC: Large floodplain swamp extending from US 92 to N of SR 40 [north into Flagler County]. Surrounding uplands predominantly converted to pine plantations with some areas recently clearcut. A few large fern nurseries were on the W side by Lake Dias. Private airplane landing strip with homes was on E side of swamp at the end of Lafayette Landings Drive.

MINLEV: 35 MAXELEV: SIZE:

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER: OWNERINFO:
OWNERCOM:

General Comments:

COMMENTS: Aerial photos: FDOT PD4038-9-22, 9-26, 10-21, 10-22; flown 1-21-92.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATA.SENS: BOUNDARIES: Y PHOTOS: Y
BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904) 462-2144.

SOURCECODE: CITATION:
PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY
DIG.METHOD: ARC/INFO

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-09-09: INDEFINITE BOUNDARY.

DIG.DATES: 95-03-02 MRR
TRANSCRIBER: 94-09-09 GES CDREV: Y
MAPPER: 94-12-07 MLE QC: Y

Record Maintenance:

LEADRESP:
EDITION: EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-27	37/44/46
USFLHP	VVG	95-01-09	6/7/9/11/13/15/16/17/20/21
USFLHP	VVG	95-01-09	COPY

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS: NC.VALUES: NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD: ARC/INFO

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-09-09: INDEFINITE BOUNDARY.

DIG.DATES: 95-03-02 MRR

EOR.OPT16:

EOR.OPT17:

PLANT.SPP:

STRATA:

COLL/PHOTO#:

Element Occurrence Record
SCRUB

Identifiers:

Elcode EO# State:
E_CODE: CTA0000000*492*FL FONUM: IDENT: Y
SNAME: SCRUB
SCOMNAME:
ELEMENT RANKS: GRANK: G2 NRANK: SRANK: S2

Locators:

NATION: US SITECODE: S.USFLHP*6160
SITENAME: LITTLE HAW CREEK
SURVEYSITE: MAGNOLIA AVE SCRUB

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLVLU Volusia

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
DE LAND 2908113 12 9,5

LAT: 290422N S:
LONG: 0811606W N:
E:
W:

COORD.COM:

TOWNRANGE: SECTION: MERIDIAN: TRSNOTE:
C 3030E 26 TA BOUNDARIES NOT MAPPED.

DIRECTIONS: E OF DELAND MUNICIPAL AIRPORT; FROM JCT OF OLD DAYTONA RD
AND KEPLER ROAD, GO NORTH ON KEPLER RD TO ITS END THEN W ON
MAGNOLIA AVE (SANDY). SITE IS BETWEEN ORANGE AND SPRUCE
STREETS ON N SIDE OF MAGNOLIA. SEE ATTACHED.

PHYSPROV: WATERSHED:
AL 03080101

Status:

SURVEYDATE: 1983-09-24 LASTOBS: 1983-09-24 FIRSTOBS: 1983
EORANK: EORANKDATE:
EORANKCOM:

EODATA:

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

EOTYPE:
GENDESC: ORSINO FINE SAND, RELATIVELY LEVEL WITH LARGE SAND PINE.
SHRUB LAYER VERY DENSE. THE OAKS (LIVE, MYRTLE AND CHAPMAN)
ARE COMMON ALONG WITH LYONIA FERRUGINEA. PERSEA HUMILIS
SCATTERED THROUGHOUT. THICK LITTER LAYER. SITE IS MOIST.
PERSEA HUMILIS .100 ON SITE.

MINELEV: 65 MAXELEV: 70 SIZE: 20

Protection:

ACODE: MANAME: MATYPE: CONTAINED:

ARELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

AGMTCOM:

PROTCOM:

Ownership:

OWNER: OWNERINFO:
OWNERCOM: PRIVATE PROPERTY, OWNERS WOULDN'T GIVE NAME.

General Comments:

COMMENTS: CHRISTMAN SITE VOLU07. SITE HAS NOT BEEN DISTURBED
(F83STO03). SURVEYED BY STOUT.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS: 75C

Documentation:

DATASENS: BOUNDARIES: N PHOTOS:
BESTSOURCE: CHRISTMAN, S.P. 1988. ENDEMISM AND FLORIDA INTERIOR SAND
PINE SCRUB. REPORT TO FGFWFC.

SOURCECODE: CITATION:

J88CHR01FLUS CHRISTMAN, S.P. 1988. ENDEMISM AND FLORIDA'S INTERIOR SANDPINE
F83STO03FLUS STOUT, J. 1983. FIELD SURVEY OF MAGNOLIA AVENUE SCRUB, VOLUS
ENDSTO01FLUS STOUT, I.J. (DR.) (JACK), DEPT. OF BIOLOGICAL SCIENCES, UNIV.OF CE

SPECIMENS:

CONTRACT:
DIG.METHOD:

DIG.COM:

DIG.DATES:

TRANSCRIBR: 89-08-21 TEO CDREV: Y
MAPPER: 89-08-21 TEO QC: Y

Record Maintenance:

LEADRESP:
EDITION: EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-30	7/15/16
USFLHP	JA	94-08-10	89
USFLHP	VVG	93-09-29	38/44/49/50/56/74
USFLHP	VVG	91-11-14	ALL

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM:

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT:

ECOREGION: 75C

EOR.OPT7:

NC.FIELDS:
75C

NC.VALUES:

NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM:

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP:

STRATA:

COLL/PHOTO#:

Element Occurrence Record
SCRUB

Identifiers:

Elcode EO# State:

ELCODE: CTA0000000*901*FL FONUM: 901 IDENT: Y
SNAME: SCRUB
SCOMNAME:
ELEMENT RANKS: GRANK: G2 NRANK: SRANK: S2

Locators:

NATION: US SITECODE: S.USFLHP*6160
SITENAME: LITTLE HAW CREEK
SURVEYSITE: PNAFLVOLU021; SR 44 AND I-4 SCRUB

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLVOLU Volusia

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
DAYTONA BEACH SW 2908112 9 1,9

LAT: 290130N S: N
LONG: 0811423W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

TOWNRANGE: SECTION: MERIDIAN: TRSNOTE:
(3031E 18 TA W4

DIRECTIONS: From I-4 SE of Deland, go W on SR 44 ca. 0.6 mile. Turn N onto sandy road on natural gas pipeline R/W. EO is to the NE and continues N for ca. 0.8 mi.

PHYS PROV: WATERSHED:
AL 03080101

Status:

SURVEYDATE: 1994-10-17 LASTOBS: 1994-10-17 FIRSTOBS: 1994-10-17
EORANK: B-C EORANKDATE: 1994-10-17
EORANKCOM: Isolated remnant of mature scrub with large sand pine and low diversity. Trash dumping common. ORV trails present.

EODATA: Closed canopy scrub with thick understory in some areas. Visual estimates of dominant species were: canopy- Pinus clausa (60-80% cover, ≤ 18 " DBH, 50-60' tall); subcanopy- Quercus geminata (10%, ≤ 6 ", 15-25'), Q. myrtifolia (5%, ≤ 5 ", 20'), Q. laevis (1%, ≤ 8 ", 30-40'); understory- Serenoa repens (25%, 3-4'), Q. myrtifolia (20%, 3-10'), Lyonia ferruginea (5%, 3-10'), and Garberia heterophylla (2%, 3-4'); groundcover- Licania michauxii (5%) and Cladonia lichens (5%). See field notes for species list. A few areas were approaching xeric hammock with Q. geminata ≤ 12 " DBH and 40' tall. An area of ca. one acre in the NE 1/4 of the site had burned in the past year and was surrounded by plowed fire lanes. The N end of the site had scattered Pinus palustris up to 11" DBH and 40' tall as well as some old

stumps of this species.

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

EOTYPE:

GENDESC: The scrub was bounded on the W by a weedy abandoned citrus grove. The area immediately to the N and NW was residential houses. To the E, the scrub was bordered by a narrow band of wet flatwoods with *Pinus serotina* and thick *Serenoa repens*. Further E were wetland areas and cutover flatwoods. A motel was on the N side of SR44 and E of the scrub.

MINELEV: 55 MAXELEV: 75 SIZE: 55

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER: OWNERINFO:
OWNERCOM:

General Comments:

COMMENTS: Aerial photo: FDOT PD4038-10-14; flown 1-21-92. One active *Gopherus polyphemus* burrow was observed. *Persea humilis* occasionally seen in south end.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS: Y
BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904) 462-2144.

SOURCECODE: CITATION:
PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY
DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-10-17: INDEFINITE BOUNDARY.

DIG.DATES:

TRANSCRIBR: 94-10-17 GES CDREV: Y
MAPPER: 94-12-13 MLE QC: Y

Record Maintenance:

LEADRESP:

EDITION:

EDAUTHOR:

Maintenance History:

OFFICE: INITIALS: CHANGE.DATE: CHANGE.FIELDS:

USFLHP VVG 95-01-12 37

USFLHP VVG 95-01-09 1/7/11/13/15/16/17/20/21/3

USFLHP VVG 95-01-09 COPY

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS:

NC.VALUES:

NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-10-17: INDEFINITE BOUNDARY.

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP:

STRATA:

COLL/PHOTO#:

Element Occurrence Record
GOPHERUS POLYPHEMUS

Identifiers:

Elcode EO# State:
L CODE: ARAAF01030*916*FL FONUM: 916 IDENT: Y
SNAME: GOPHERUS POLYPHEMUS
SCOMNAME: GOPHER TORTOISE
ELEMENT RANKS: GRANK: G3 NRANK: SRANK: S3

Locators:

NATION: US SITECODE: S.USFLHP*6160
SITENAME: LITTLE HAW CREEK
SURVEYSITE: PNAFLVOLUME021; SR 44 AND I-4 SCRUB

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLVOLUME Volusia

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
DAYTONA BEACH SW 2908112 10 1,9

LAT: 290130N S: N
LONG: 0811423W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

TOWNRANGE: SECTION: MERIDIAN: TRSNOTE:
C 3031E 18 TA NW4SW4NW4

DIRECTIONS: From I-4 SE of Deland, go W on SR 44 ca. 0.6 mile. Turn N onto sandy road on natural gas pipeline R/W and go ca. 0.5 mi to jeep trail. Turn E and go ca. 150'. Park here and walk ca. 50' S to EO.

PHYS PROV: WATERSHED:
AL 03080101

Status:

SURVEYDATE: 1994-10-17 LASTOBS: 1994-10-17 FIRSTOBS: 1994-10-17
EORANK: C EORANKDATE: 1994-10-17
EORANKCOM: Only one active burrow seen after brief survey. Isolated remnant of mature scrub with large sand pine and low diversity of herbaceous species. Trash dumping common. ORV trails present.

EODATA: One active Gopherus polyphemus burrow was observed.

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

EOTYPE:
G⁺ DESC: Scrub (EO.901) with closed canopy and frequently thick understory. Visual estimates of dominant species were: canopy- Pinus clausa (60-80% cover, ≤18" DBH, 50-60' tall); subcanopy- Quercus geminata (10%, ≤6", 15-25'), Q.

myrtifolia (5%, ≤5", 20'), Q. laevis (1%, ≤8", 30-40'); understory- Serenoa repens (25%, 3-4'), Q. myrtifolia (20%, 3-10'), Lyonia ferruginea (5%, 3-10'), and Garberia heterophylla (2%, 3-4'); groundcover- Licania michauxii (5%) and Cladonia lichens (5%). See field notes for species list. A few areas were approaching xeric hammock with Q. geminata ≤12" DBH and 40' tall. An area of ca. one acre in the NE 1/4 of the site had burned in the past year and was surrounded by plowed fire lanes. The N end of the site had scattered Pinus palustris up to 11" DBH and 40' tall as well as some old stumps of this species. The scrub was bounded on the W by a weedy abandoned citrus grove. The area immediately to the N and NW was residential houses. To the E, the scrub was bordered by a narrow band wet flatwoods with Pinus serotina and thick Serenoa repens. Further E were wetland areas and cutover flatwoods. A motel was on the N side of SR44 and E of the scrub.

MINELEV: 70 MAXELEV: SIZE: 70

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM:

PROTCOM:

C rship:

OWNER:

OWNERINFO:

OWNERCOM:

General Comments:

COMMENTS: Aerial photo: FDOT PD4038-10-14; flown 1-21-92.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: PHOTOS: Y

BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904)
462-2144.

SOURCECODE: CITATION:

PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY

DIG.METHOD:

DTC.COM:

DIG.DATES:

TRANSCRIBR: 94-10-17 GES CDREV: Y

MAPPER: 94-12-13 MLE QC: Y

Record Maintenance:

LEADRESP:

EDITION: EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-12	37
USFLHP	VVG	95-01-09	1/7/11/13/15/16/17/20/21/3
USFLHP	VVG	95-01-09	COPY

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS:

NC.VALUES:

NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM:

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP:

STRATA:

COLL/PHOTO#:

Element Occurrence Record
PERSEA HUMILIS

Identifiers:

Elcode EO# State:
L ODE: PDLAU0B050*100*FL FONUM: IDENT: Y
SNAME: PERSEA HUMILIS
SCOMNAME: SCRUB BAY
ELEMENT RANKS: GRANK: G3 NRANK: SRANK: S3

Locators:

NATION: US SITECODE: S.USFLHP*6160
SITENAME: LITTLE HAW CREEK
SURVEYSITE: MAGNOLIA AVE SCRUB

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLVOLU Volusia

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
DE LAND 2908113 13 9,5

LAT: 290422N S:
LONG: 0811606W N:
E:
W:

COORD.COM:

TOWNRANGE: SECTION: MERIDIAN: TRSNOTE:
C 3030E 26 TA BOUNDARIES NOT MAPPED.

DIRECTIONS: E OF DELAND MUNICIPAL AIRPORT; FROM JCT OF OLD DAYTONA RD
AND KEPLER ROAD, GO NORTH ON KEPLER RD TO ITS END THEN W ON
MAGNOLIA AVE (SANDY). SITE IS BETWEEN ORANGE AND SPRUCE
STREETS ON N SIDE OF MAGNOLIA.

PHYSPROV: WATERSHED:
AL 03080101

Status:

SURVEYDATE: 1983-09-24 LASTOBS: 1983-09-24 FIRSTOBS: 1983
EORANK: EORANKDATE:
EORANKCOM:

EODATA: SCATTERED THROUGHOUT SITE (U88CHR01). MORE THAN 50
INDIVIDUALS SCATTERED IN SCRUB, IN FRUIT (F83STO03).

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

EOTYPE:
GENDESC: ORSINO FINE SAND, RELATIVELY LEVEL WITH LARGE SAND PINE.
SHRUB LAYER VERY DENSE. THE OAKS (LIVE, MYRTLE AND CHAPMAN)
ARE COMMON ALONG WITH LYONIA FERRUGINEA. PERSEA HUMILIS
SCATTERED THROUGHOUT. THICK LITTER LAYER. SITE IS MOIST.

MINELEV: 65 MAXELEV: 70 SIZE: 7

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER: OWNERINFO:
OWNERCOM: PRIVATE PROPERTY, OWNERS WOULDN'T GIVE NAME.

General Comments:

COMMENTS: CHRISTMAN SITE VOLU07. SEE SCRUB .492. SITE HAS NOT BEEN
DISTURBED (F83STO03). SURVEYED BY STOUT. SEE SCRUB .492.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS: 75C

Documentation:

DATASENS: BOUNDARIES: PHOTOS:
BESTSOURCE: CHRISTMAN, S.P. 1988. ENDEMISM AND FLORIDA INTERIOR SAND
PINE SCRUB. REPORT TO FGFWFC.

SOURCECODE: CITATION:

J88CHR01FLUS CHRISTMAN, S.P. 1988. ENDEMISM AND FLORIDA'S INTERIOR SANDPINE
F83STO03FLUS STOUT, J. 1983. FIELD SURVEY OF MAGNOLIA AVENUE SCRUB, VOLUS
PNDSTO01FLUS STOUT, I.J. (DR.) (JACK), DEPT. OF BIOLOGICAL SCIENCES, UNIV.OF CE

SPECIMENS:

CONTRACT:

DIG.METHOD:

DIG.COM:

DIG.DATES:

TRANSCRIBR: 89-08-21 TEO CDREV: Y
MAPPER: 89-08-21 TEO QC: Y

Record Maintenance:

LEADRESP:
EDITION: EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-30	7/15/16
USFLHP	JA	94-08-10	89
USFLHP	VVG	93-09-29	38/46/50/51/56/74/76
USFLHP	VVG	91-11-14	ALL

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM:

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT:

ECOREGION: 75C

EOR.OPT7:

NC.FIELDS:
75C

NC.VALUES:

NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM:

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP:

STRATA:

COLL/PHOTO#:

Element Occurrence Record
PERSEA HUMILIS

Identifiers:

Elcode EO# State:
E CODE: PDLAU0B050*208*FL FONUM: IDENT: Y
SNAME: PERSEA HUMILIS
SCOMNAME: SCRUB BAY
ELEMENT RANKS: GRANK: G3 NRANK: SRANK: S3

Locators:

NATION: US SITECODE: S.USFLHP*6160
SITENAME: LITTLE HAW CREEK
SURVEYSITE: PNAFLVOLU021; SR 44 AND I-4 SCRUB

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLVOLU Volusia

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
DAYTONA BEACH SW 2908112 11 1,9

LAT: 290112N S: N
LONG: 0811423W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

TOWNRANGE: SECTION: MERIDIAN: TRSNOTE:
C 031E 18 TA W2, NW4, SW4

DIRECTIONS: From I-4 SE of Deland, go W on SR 44 ca. 0.6 mile. Turn N onto sandy road on natural gas pipeline R/W. EO to NE along E edge of road in S part of scrub (EO.901).

PHYSPROV: WATERSHED:
AL 03080101

Status:

SURVEYDATE: 1994-10-17 LASTOBS: 1994-10-17 FIRSTOBS: 1994-10-17
EORANK: C EORANKDATE: 1994-10-17
EORANKCOM: Isolated remnant of mature scrub with large sand pine and low diversity of herbaceous species. Trash dumping common. ORV trails present.

EODATA: Persea humilis occasionally seen in S end of scrub. Largest estimated to be 3" DBH and 30' tall.

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

EOTYPE:
GENDESC: Scrub (EO.901) with closed canopy and frequently thick understory. The S end (where the Persea grew) was approaching xeric hammock with Q. geminata ≤ 12 " DBH and 40' tall. Visual estimates of dominant species in the entire scrub were: canopy- Pinus clausa (60-80% cover, ≤ 18 " DBH,

50-60' tall); subcanopy- *Quercus geminata* (10%, ≤6", 15-25'), *Q. myrtifolia* (5%, ≤5", 20'), *Q. laevis* (1%, ≤8", 30-40'); understory- *Serenoa repens* (25%, 3-4'), *Q. myrtifolia* (20%, 3-10'), *Lyonia ferruginea* (5%, 3-10'), and *Garberia heterophylla* (2%, 3-4'); groundcover- *Licania michauxii* (5%) and *Cladonia* lichens (5%). See field notes for species list. The scrub was bounded on the W by a weedy abandoned citrus grove. The area immediately to the N and NW was residential houses. To the E, the scrub was bordered by a narrow band wet flatwoods with *Pinus serotina* and thick *Serenoa repens*. Further E were wetland areas and cutover flatwoods. A motel was on the N side of SR44 and E of the scrub.

MINELEV: 55 MAXELEV: 75 SIZE: 20

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER: OWNERINFO:
OWNERCOM:

General Comments:

COMMENTS: Aerial photo: FDOT PD4038-10-14; flown 1-21-92.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS: Y
BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904) 462-2144.

SOURCECODE: CITATION:

PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-10-17: INDEFINITE BOUNDARY.

DIG.DATES:

TRANSCRIBR: 94-10-17 GES CDREV: Y
MAPPER: 94-12-13 MLE QC: Y

Record Maintenance:

LEADRESP:

EDITION:

EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-12	37
USFLHP	VVG	95-01-09	7/11/13/15/16/17/20/21/33/
USFLHP	VVG	95-01-09	COPY

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS:

NC.VALUES:

NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-10-17: INDEFINITE BOUNDARY.

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP:

STRATA:

COLL/PHOTO#:

Element Occurrence Record
RHYNCHOSPORA DECURRENS

Identifiers:

Elcode EO# State:
ECODE: PMCYPONON0*006*FL FONUM: IDENT: Y
SNAME: RHYNCHOSPORA DECURRENS
SCOMNAME: DECURRENT BEAK-RUSH
ELEMENT RANKS: GRANK: G3G4 NRANK: SRANK: S2

Locators:

NATION: US SITECODE: S.USFLHP*6160
SITENAME: LITTLE HAW CREEK
SURVEYSITE:

PRECISION: M

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLVLU Volusia

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
LAKE DIAS 2908123 20 5,2

LAT: 291332N S:
LONG: 0811908W N:
E:
W:

COORD.COM:

TOWNRANGE: SECTION: MERIDIAN: TRSNOTE:
C 3030E 5 TA

DIRECTIONS: Along FL 40, just E. of crossing of FL 11.

PHYS PROV: WATERSHED:
AL 03080103

Status:

SURVEYDATE: LASTOBS: 1981-05-25 FIRSTOBS: 1981-05-25
EORANK: EORANKDATE:
EORANKCOM:

EODATA: Scattered over floor; specimen fruiting.

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

EOTYPE:
GENDESC: In cypress-gum swamp.

MINELEV: 40 MAXELEV: SIZE:

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER:

OWNERINFO:

OWNERCOM:

General Comments:

COMMENTS:

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS:

BOUNDARIES:

PHOTOS:

BESTSOURCE: Correll, D.S. (51918) and H.B. Correll 1981. SF (161109).

SOURCECODE: CITATION:

S81CORSFUSFL

SPECIMENS:

CONTRACT:

DIG.METHOD:

DIG.COM:

DIG.DATES:

TRANSCRIBR: 93-08-13 DJP CDREV: Y

MAPPER: 93-08-18 DJP QC: Y

Record Maintenance:

LEADRESP:

EDITION:

EDAUTHOR:

Maintenance History:

OFFICE: INITIALS: CHANGE.DATE: CHANGE.FIELDS:

USFLHP VVG 95-02-13 37

USFLHP VVG 95-01-30 7

USFLHP VVG 94-07-13 9/11/13/15/16/17/18/19/20/

USFLHP VVG 94-07-13 COPY

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM:

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT:

ECOREGION:

EOR.OPT7:

NC.FIELDS:

NC.VALUES:

NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM:

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP:

STRATA:

COLL/PHOTO#:

Element Occurrence Record
BASIN SWAMP

Identifiers:

Elcode EO# State:
E_CODE: CPK0000000*034*FL FONUM: IDENT: Y
SNAME: BASIN SWAMP
SCOMNAME:
ELEMENT RANKS: GRANK: G4? NRANK: SRANK: S3

Locators:

NATION: US SITECODE: S.USFLHP*6161
SITENAME: LITTLE TIGER BAY
SURVEYSITE: PNAFLVLU042; LITTLE TIGER BAY

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLVLU Volusia

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
DAYTONA BEACH NW 2908122 5 4,9
DAYTONA BEACH SW 2908112 13 4,1

LAT: 290838N S: N
LONG: 0811223W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

1 RANGE: SECTION: MERIDIAN: TRSNOTE:
016S031E 4 TA NW4

DIRECTIONS: Must have 4WD vehicle and aerial photograph or topographic maps in hand. From I-95 in Daytona, go W on US 92 ca. 7.2 miles to an old brick road heading NE. Turn NE and go ca. 0.4 mi to graded dirt road heading N. Turn N (passing gate) and follow this road for ca. 1.5 mi. Turn NW onto rough jeep trail and go ca. 1.5 mi to 3-way intersection. Turn W and go ca. 1.6 mi to road under powerline. Turn S and go ca. 1.5 mi to 4-way intersection. Turn E and go ca. 0.8 mi to end. EO is to the E.

PHYSPROV: WATERSHED:
AL 03080101

Status:

SURVEYDATE: 1994-08-25 LASTOBS: 1994-08-25 FIRSTOBS: 1994-08-25
EORANK: B EORANKDATE: 1994-08-25
EORANKCOM: Old cypress stumps present. Surrounding uplands converted to pine plantations.

EODATA: Irregular-shaped basin swamp extending over 2.5 mi N-S and 0.5 mi E-W. No evidence of recent logging in swamp. Visual estimates of dominant species were made in two locations. In Section 4 NW4, average tree DBH was ca. 8". Dominant species were: canopy- Taxodium ascendens [50% cover, 4-6" (16") DBH, 50' tall], Nyssa biflora (20%, 6-8"), Gordonia lasianthus (10%, 6-10"), and Pinus elliottii (10%, 6-8"); subcanopy-

Gordonia lasianthus (20%, 3-6") and Ilex cassine (5%, 4-6"); understory- Lyonia lucida (30%, 4-8') and Myrica cerifera (5%); groundcover- Woodwardia virginica (60%) and Osmunda cinnamomea (10%). Water ca. 12-16" deep on 1994-08-25; ordinary high water ca. 18". No flow was evident. In Section 9 NW4NW4SE4, dominant species were: canopy- Taxodium ascendens [60% cover, 4-8" (12") DBH, 50' tall], Nyssa biflora [20%, 6- 8" (12")], and Pinus elliottii (5%, 12-18"); subcanopy- Ilex cassine (35%, 4-6", 20-30'); understory- Lyonia lucida (50%, 4-8') and Myrica cerifera (5%); and groundcover sparse. Open water covered 65% of ground; ca. 12-18" deep on 1994-08-25. No flow was evident.

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

EOTYPE:

GENDESC: Basin swamp was part of a mosaic with baygalls, dome and strand swamps, flatwoods, and depression marshes. The flatwoods had been converted to pine plantations (of different ages). Some flatwoods recently clearcut up to edge of swamp.

MINELEV: 40 MAXELEV: SIZE: 830

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER: STATE OF FLORIDA OWNERINFO:
OWNERCOM: Recently purchased by State of Florida from Georgia-Pacific Corporation to become part of Tiger Bay State Forest.

General Comments:

COMMENTS: Aerial photo: FDOT PD4038-12A-14 and 15; flown 3-2-92.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS: Y
BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904) 462-2144.

SOURCECODE: CITATION:
PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-2

SPECIMENS:

CONTRACT: 1993 TIGER BAY
DIG.METHOD: ARC/INFO

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-08-25: INDEFINITE BOUNDARY.

DIG.DATES: 95-03-10 MRR
TRANSCRIBER: 94-08-25 GES CDREV: Y
MAPPER: 94-12-13 MLE QC: Y

Record Maintenance:

LEADRESP:

EDITION: EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-31	7
USFLHP	VVG	95-01-12	37
USFLHP	VVG	95-01-09	7/9/11/13/15/16/17/20/21/3
USFLHP	VVG	95-01-09	COPY

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS: NC.VALUES: NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD: ARC/INFO

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-08-25: INDEFINITE BOUNDARY.

DIG.DATES: 95-03-10 MRR

EOR.OPT16:

EOR.OPT17:

POINT.SPP: STRATA: COLL/PHOTO#:

Element Occurrence Record
BAYGALL

Identifiers:

Elcode EO# State:
ECCODE: CPS0000000*039*FL FONUM: IDENT: Y
SNAME: BAYGALL
SCOMNAME:
ELEMENT RANKS: GRANK: G4? NRANK: SRANK: S4?

Locators:

NATION: US SITECODE: S.USFLHP*6157
SITENAME: SAW GRASS BAY
SURVEYSITE: PNAFLVOLU010; SEVILLE-MCGLON ROAD BAYGALL

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLVOLU Volusia

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
SEVILLE 2908134 16 4,6

LAT: 291812N S: N
LONG: 0812729W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

TORANGE: SECTION: MERIDIAN: TRSNOTE:
0 3028E 10 TA NW1/4NE1/4
013S028E 34 TA

DIRECTIONS: From US 17 in Seville, go E on CR 305 ca. 1.8 miles to
graded McGlon Road. Turn S and go ca. 1.2 miles. Park on E
side of road and walk ca. 300' E (across heavily disturbed
cutover wet flatwoods) to W edge of EO.

PHYSPROV: WATERSHED:
AL 03080103

Status:

SURVEYDATE: 1994-09-15 LASTOBS: 1994-09-15 FIRSTOBS: 1994-09-15
EORANK: A-B EORANKDATE: 1994-09-15
EORANKCOM: Old pine stumps present but no recent human disturbance
evident except on W edge. Many large trees.

EODATA: Large baygall with low species diversity. Closed canopy
dominated by Gordonia of many sizes. Visual estimates of
dominant species were: canopy- Gordonia lasianthus [90%
cover, 12"(occasionally 18") DBH, 50' tall] and Pinus
elliottii [10%, 12"(20"), 60']; subcanopy- Gordonia
lasianthus (20%, 3-6", 10-30'); understory- Gordonia
lasianthus (5-25%, 1-10'); and groundcover- Osmunda
cinnamomea (65%). Water 6" deep covered ca. 20% of the
ground. Deep layer of leaf litter with pines on mounds 1-2'
high. Toxicodendron vernix (poison sumac) was an unusually
common component of the shrub strata.

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

EOTYPE:

GENDESC: The baygall was part of an irregular shaped swamp ca. 1.0 mi E-W and 0.5 mi N-S. On the W side, the wet flatwoods were heavily disturbed by logging in the past year. The extensions of the swamp to the north along McGlon Rd. appeared to have been disturbed by logging in previous years and were judged to be in poor condition. Most of the surrounding land was cattle pasture. Several large fern nurseries were on the S side.

MINELEV: 25 MAXELEV: 30 SIZE: 480

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER: OWNERINFO:
OWNERCOM:

General Comments:

COMMENTS: Aerial photo: FDOT PD4038-4-16 and 5-18; flown 3-3-92.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS: Y
BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904) 462-2144.

SOURCECODE: CITATION:
PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY
DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-09-15: INDEFINITE BOUNDARY.

DIG.DATES:

TRANSCRIBER: 94-09-15 GES CDREV: Y
MAPPER: 94-12-09 MLE QC: Y

Record Maintenance:

LEADRESP:

EDITION:

EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-27	37
USFLHP	VVG	95-01-09	7/11/13/15/16/17/18/19/20/
USFLHP	VVG	95-01-09	COPY

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS:

NC.VALUES:

NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-09-15: INDEFINITE BOUNDARY.

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP:

STRATA:

COLL/PHOTO#:

Element Occurrence Record
HALIAEETUS LEUCOCEPHALUS

Identifiers:

Elcode EO# State:
E JDE: ABNKC10010*643*FL FONUM: IDENT: Y
SNAME: HALIAEETUS LEUCOCEPHALUS
SCOMNAME: BALD EAGLE
ELEMENT RANKS: GRANK: G3 NRANK: SRANK: S2S3

Locators:

NATION: US SITECODE: S.USFLHP*6157
SITENAME: SAW GRASS BAY
SURVEYSITE:

PRECISION: M

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLVOLU Volusia

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
SEVILLE 2908134 8 7,8

LAT: 291648N S:
LONG: 0812530W N:
E:
W:

COORD.COM:

TOWNRANGE: SECTION: MERIDIAN: TRSNOTE:
0 028E 13 TA SE4

DIRECTIONS: W SHORE OF LAKE DISSTON CA. 1 MI. INLAND, IN SAW GRASS BAY.

PHYSPROV: WATERSHED:
AL 03080103

Status:

SURVEYDATE: LASTOBS: 1991 FIRSTOBS: 1991
EORANK: EORANKDATE:
EORANKCOM:

EODATA: NEST; 1991: PRODUCED 1 YOUNG.

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

EOTYPE:
GENDESC:

MINELEV: 20 MAXELEV: SIZE: 0

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER:

OWNERINFO:

OWNERCOM:

General Comments:

COMMENTS: GFC NEST #VO 51 (W LAKE DISSTON). GFC LAT 2916.8 LONG
8125.5.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS: 75D

Documentation:

DATASENS: BOUNDARIES: PHOTOS:

BESTSOURCE: FLORIDA GAME AND FRESH WATER FISH COMMISSION. 1992. BALD
EAGLE NESTING DATA.

SOURCECODE: CITATION:

U92GFC01FLUS FLORIDA GAME AND FRESH WATER FISH COMMISSION. 1992. BALD EAGLE NE

SPECIMENS:

CONTRACT:

DIG.METHOD:

DIG.COM:

DIG.DATES:

TRANSCRIBR: 92-09-29 TKH CDREV: Y

MAPPER: 92-10-13 TKH QC: Y

Record Maintenance:

LEADRESP:

EDITION: EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-30	7
USFLHP	JA	94-08-10	89
USFLHP	MLE	93-04-20	37/46
USFLHP	VVG	93-03-30	4/6/9/11/13/14/15/16/17/18

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM:

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT:

ECOREGION: 75D

FOPT7:

NC.FIELDS:
75D

NC.VALUES:

NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM:

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP:

STRATA:

COLL/PHOTO#:

Element Occurrence Record
BAYGALL

Identifiers:

Elcode EO# State:
ECCODE: CPS0000000*040*FL FONUM: IDENT: Y
SNAME: BAYGALL
SCOMNAME:
ELEMENT RANKS: GRANK: G4? NRANK: SRANK: S4?

Locators:

NATION: US SITECODE: S.USFLHP*6156
SITENAME: SHAW LAKE
SURVEYSITE: PNAFLVOLUME009; SECTION 32

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLVLU Volusia

QUADNAME:	QUADCODE:	MARGNUM:	DOTNUM:	TENTEN:
PIERSON	2908124	25		9,1
SEVILLE	2908134	18		10,10

LAT: 291418N	S: N
LONG: 0812343W	N: N
	E: W
	W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

T RANGE: SECTION: MERIDIAN: TRSNOTE:
014S029E 32 TA NE1/4SW1/4

DIRECTIONS: Must have 4WD vehicle and topographic map or aerial photograph in hand. Go E on SR 40 ca. 3.4 miles from US 17 in Barberville to a slight bend in the road. Turn N on the graded dirt (but with numerous rough spots of deep sand or mud) Truck Trail #11 and go N ca. 2.1 miles. Turn W on graded Truck Trail #13 and go through scrub for ca. 0.5 mile. Passing a gate, continue SW on a rough jeep trail ca. 0.4 mile, then W another 0.7 mi onto the scrub ridge. Turn N on sandy jeep trail (at hunting camp) and go ca. 0.6 mi. EO is E and W of this narrow scrub ridge.

PHYSPROV: WATERSHED:
AL 03080101

Status:

SURVEYDATE: 1994-09-13 LASTOBS: 1994-09-13 FIRSTOBS: 1994-09-13
EORANK: A-B EORANKDATE: 1994-09-13
EORANKCOM: Old pine stumps present but no recent human disturbance evident. Many large trees.

EODATA: Large, elliptic baygall ca. 1.3 mi E-W and 0.5 mi N-S. Closed canopy dominated by Gordonia of many sizes. In Section 32 NE1/4SW1/4, visual estimates of dominant species were: canopy- Gordonia lasianthus [80% cover, 8-12"(occasionally 18") DBH, 50' tall] and Pinus elliotii [10%, 10-12(18)", 50']; subcanopy- Gordonia lasianthus (20%,

4-6", 10-30') and Ilex cassine (10%, ≤6", 10-20'); understory- Gordonia lasianthus (5%, 1-10') and Lyonia lucida (60% E of road, 3-5'); and groundcover- Osmunda cinnamomea (50%) and Woodwardia virginica (40%). Water 6" deep covered ca. 50% of the ground.

CONTACTID:
CONTACT.NOTE:

CONTACT.NAME:

Description:

EOTYPE:

GENDESC: The baygall was part of a mosaic with scrub ridges and depression marshes. The baygall connected N to the basin swamp (FLAG 25) which drains N to Lake Disston. Pine plantations covered some of the adjacent non-scrub uplands to the NE, SE, and SW. A fern nursery covering ca. 280 acres bounded the E side of the baygall.

MINELEV: 25 MAXELEV: SIZE:

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER: OWNERINFO:
OWNERCOM: A portion of the baygall east of the jeep trail was recently purchased by the St. Johns River Water Management District as part of the Strother Tract.

General Comments:

COMMENTS: Aerial photo: FDOT PD4038-6-17; flown 1-21-92. Two disjunct communities with jeep trail [artificial elevated?] separating occurrences. Additional tenten for quad 2908124: 10,1.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS: Y
BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904) 462-2144.

SOURCECODE: CITATION:
PND SCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY
DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-09-13: INDEFINITE BOUNDARY.

DIG.DATES:
TRANSCRIBER: 94-09-13 GES CDREV: Y
MAPPER: 94-12-09 MLE QC: Y

Record Maintenance:

LEADRESP:
EDITION: EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-27	37
USFLHP	VVG	95-01-09	7/9/11/13/15/16/17/20/21/3
USFLHP	VVG	95-01-09	COPY

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS: NC.VALUES: NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-09-13: INDEFINITE BOUNDARY.

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP: STRATA: COLL/PHOTO#:

Element Occurrence Record
BAYGALL

Identifiers:

Elcode EO# State:
E CODE: CPS0000000*041*FL FONUM: IDENT: Y
SNAME: BAYGALL
SCOMNAME:
ELEMENT RANKS: GRANK: G4? NRANK: SRANK: S4?

Locators:

NATION: US SITECODE: S.USFLHP*6156
SITENAME: SHAW LAKE
SURVEYSITE: PNAFLVLU009; SHAW LAKE SOUTH BAYGALL

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLVLU Volusia

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
PIERSON 2908124 26 5,2

LAT: 291347N S: N
LONG: 0812637W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

TOWNRANGE: SECTION: MERIDIAN: TRSNOTE:
C 3029E 6, TA NW1/4NW1/4
015S028E 1 TA
014S028E 34 TA

DIRECTIONS: From SR 40 in Barberville, go NW on US 17 ca. 2.3 mi (just S of Pierson) to Hagstrom Rd. Turn N (right) and go ca. 1.0 mi to a 3-way intersection. Turn E on the graded dirt Shaw Lake Rd. and go ca. 0.4 mi. Park on N side of road and walk N ca. 1000' along jeep trail to EO.

PHYSPROV: WATERSHED:
AL 03080101

Status:

SURVEYDATE: 1994-09-15 LASTOBS: 1994-09-15 FIRSTOBS: 1994-09-15
EORANK: C-D EORANKDATE: 1994-09-15
EORANKCOM: Old pine stumps present. Many trees leaning or laying on ground and very open canopy - possibly resulting from past logging.

EODATA: Baygall along the S side of Shaw Lake. Open canopy dominated by Gordonia of many sizes. Visual estimates of dominant species were: canopy - Gordonia lasianthus (50% cover, ≤16" DBH, 50' tall), Magnolia virginiana (5%), and Pinus elliotii (5%, ≤18", 50-60'); subcanopy - Gordonia lasianthus (5%) and Ilex cassine (5%, ≤8", 20-35'); understory - Itea virginica (5%, 3-4') and Lyonia lucida (5%, 2-6'); and groundcover - Osmunda cinnamomea (10%) and Woodwardia virginica (5%). Many trees laying on ground and

resprouting. Deep layer of leaf litter. Water 6" deep
covered ca. 50% of the ground.

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

EOTYPE:

GENDESC: The baygall was bordered on the S by an E-W scrub ridge and Shaw Lake to the N. The scrub in Section 1 NE1/4 had been partially cleared for a small subdivision with a few houses on its W side. The scrub in Section 6 NW1/4 had a canopy of old sand pines. Shaw Lake was developed on its E side with houses, fern nurseries, and pastures. Other fern nurseries were N and W of the baygall.

MINELEV: 40 MAXELEV: 45 SIZE: 210

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER: OWNERINFO:

OWNERCOM: Union Camp has posted the NW 1/4 of Section 6.

General Comments:

COMMENTS: Aerial photos: FDOT PD4038-4-11 and 5-14; flown 3-3-92.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS: Y

BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904)
462-2144.

SOURCECODE: CITATION:

PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-09-15: INDEFINITE BOUNDARY.

DIG.DATES:

TRANSCRIBR: 94-09-15 GES CDREV: Y

MAPPER: 94-12-09 MLE QC: Y

Record Maintenance:

LEADRESP:

EDITION:

EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-27	37
USFLHP	VVG	95-01-09	7/11/13/15/16/17/18/19/20/
USFLHP	VVG	95-01-09	COPY

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOE.OPT2:

EOE.OPT3:

EOE.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOE.OPT7:

NC.FIELDS:

NC.VALUES:

NC.VALUE.COM:

EOE.OPT11:

EOE.OPT12:

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-09-15: INDEFINITE BOUNDARY.

DIG.DATES:

EOE.OPT16:

EOE.OPT17:

PLANT.SPP:

STRATA:

COLL/PHOTO#:

Element Occurrence Record
DEPRESSION MARSH

Identifiers:

Elcode EO# State:
E JDE: CPJ0000000*092*FL FONUM: IDENT: Y
SNAME: DEPRESSION MARSH
SCOMNAME:
ELEMENT RANKS: GRANK: G4? NRANK: SRANK: S3

Locators:

NATION: US SITECODE: S.USFLHP*6156
SITENAME: SHAW LAKE
SURVEYSITE: PNAFLVLU009; SECTION 32

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLVLU Volusia

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
PIERSON 2908124 32 9,2

LAT: 291355N S: N
LONG: 0812321W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

TOWNRANGE: SECTION: MERIDIAN: TRSNOTE:
0 029E 32 TA S1/4 SE1/4

DIRECTIONS: Must have 4WD vehicle and topographic map or aerial photograph in hand. From US 17 in Barberville, go E on SR 40 ca. 3.4 miles to a slight bend in the road. Turn N on the graded dirt (but with numerous rough spots of deep sand or mud) Truck Trail #11 and go N ca. 2.1 miles. Turn W on graded Truck Trail #13 and go through scrub for ca. 0.5 mile. Passing a gate, continue SW on a rough jeep trail ca. 0.4 mile, then W another 0.5 mi onto the scrub ridge. EO is N of this sand road ca. 150'.

PHYSPROV: WATERSHED:
AL 03080101

Status:

SURVEYDATE: 1994-09-14 LASTOBS: 1994-09-14 FIRSTOBS: 1994-09-14
EORANK: C EORANKDATE: 1994-09-14
EORANKCOM: ORV tracks disturbed the N and E sides. Few Pinus elliottii ≤15' growing in center of basin.

EODATA: The depression marsh was located in scrub (See [Scrub*734] VOLU09.SB1). Visual estimates of dominant species were made in the concentric bands of vegetation around the basin. Immediately below the scrub in elevation was a ring of mesic flatwoods 30-50' wide with Pinus elliottii (50% cover, ≤12" DBH, 40+' tall), Serenoa repens (100%, 3'), and Ilex glabra (5%, 3-5'). Next downslope at the bottom edge of the Serenoa was a 10' wide zone with occasional Gordonia lasianthus and

Ilex cassine (3-4", 20'), as well as clumps of Lyonia lucida (6-8') and L. mariana (3-6'). Then an open band 5-20' wide with Andropogon glomeratus var. glaucopsis, Lachnocaulon minus, Syngonanthus flavidulus, Xyris spp., and Dichanthelium sp. At the W end, a 60-100' wide center depression had Hypericum fasciculatum and Panicum hemitomon, with occasional Myrica cerifera (<3') and Pinus elliottii [2-8'(15')]. Nyssa biflora (4", 10-20') occurred as rare individuals. Clear water 12-18" deep covered up to the Andropogon zone. No sign of recent fire was observed. ORV tracks were prevalent on the drier N and E sides.

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

EOTYPE:

GENDESC: This was one of many depression marshes which occurred in a mosaic of scrub ridges, baygalls, and flatwoods covering several square miles.

MINELEV: 35 MAXELEV: SIZE: 7

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER: OWNERINFO:
OWNERCOM: Strother Timberlands Ltd. and Madison Timberlands Inc., P.O. Box 1857, Alachua, FL 32615: Section 32 (Parcel #4932-00-00-0020) and 363 acres in Section 31 (Parcel #4931-00-00-0040). A portion of the baygall east of the ridge in Sections 32 and 33 was recently purchased by the St. Johns River Water Management District as part of the Strother Tract.

General Comments:

COMMENTS: Aerial photo: FDOT PD4038-6-17; flown 1-21-92.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS: Y
BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904) 462-2144.

SOURCECODE: CITATION:

PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-09-14: INDEFINITE BOUNDARY.

DIG.DATES:

TRANSCRIBER: 94-09-14 GES CDREV: Y

MAPPER: 94-12-13 MLE QC: Y

Record Maintenance:

LEADRESP:

EDITION: EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-27	37
USFLHP	VVG	95-01-09	7/11/13/15/16/17/20/21/33/
USFLHP	VVG	95-01-09	COPY

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS: NC.VALUES: NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-09-14: INDEFINITE BOUNDARY.

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP: STRATA: COLL/PHOTO#:

Element Occurrence Record
SANDHILL

Identifiers:

Elcode EO# State:
E CODE: CTB0000000*070*FL FONUM: IDENT: Y
SNAME: SANDHILL
SCOMNAME:
ELEMENT RANKS: GRANK: G2G3 NRANK: SRANK: S2

Locators:

NATION: US SITECODE: S.USFLHP*6156
SITENAME: SHAW LAKE
SURVEYSITE: SITE #1 ON U900RZ02.

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLVOLU Volusia

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
PIERSON 2908124 12 6,3

LAT: 291315N S: 291313N
LONG: 0812606W N: 291316N
E: 0812602W
W: 0812610W

COORD.COM:

TOWNRANGE: SECTION: MERIDIAN: TRSNOTE:
0 029E 06 TA SW4, NW4, SE4

DIRECTIONS: CA. 2 AIR MILES SE OF PIERSON, NORTH OF CAIN LAKE. **

PHYS PROV: WATERSHED:
AL 03080101

Status:

SURVEYDATE: 1990-11-21 LASTOBS: 1990-11-21 FIRSTOBS: 1990
EORANK: C EORANKDATE: 90-11-21
EORANKCOM: SMALL BUT AVERAGE NATURAL QUALITY.

EODATA: OVERSTORY OF SCATTERED MATURE LONGLEAF PINE (PINUS
PALUSTRIS) WITH AN UNDERSTORY OF TURKEY OAK (QUERCUS
LAEVIS), BLUEJACK OAK (Q. INCANA) AND SAND LIVE OAK (Q.
GEMINATA). THE SHRUB LAYER IS A DENSE COVER OF STAGGERBUSH
(LYONIA FERRUGINEA).

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

EOTYPE:
GENDESC: OVERGROWN, BUT RECOVERABLE SANDHILL COMMUNITY.

MIN LEV: 40 MAXELEV: SIZE: 4

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: Y MOREMGMT: Y TNCINVOLVE:
MGMTCOM: WITH PRESCRIBED BURNING AND SOME SHRUB REMOVAL SITE WOULD
RECOVER.

PROTCOM:

Ownership:

OWNER: OWNERINFO:
OWNERCOM:

General Comments:

COMMENTS:

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS: 75C

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS: N
BESTSOURCE: ORZELL, STEVE. 1990. ECOLOGICAL EVALUATION OF SELECTED UNION
CAMP LANDS, VOLUSIA COUNTY, 13 DECEMBER 1990.

SOURCECODE: CITATION:
U90ORZ02FLUS ORZELL, STEVE. 1990. ECOLOGICAL EVALUATION OF SELECTED UNION CAMP

SPECIMENS:

CONTRACT:
DIG.METHOD:

DIG.COM:

DIG.DATES:
TRANSCRIBR: 91-08-21 SLO CDREV: Y
MAPPER: 92-03-25 TEO QC: Y

Record Maintenance:

LEADRESP:
EDITION: EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-30	7
USFLHP	JA	94-08-10	89
USFLHP	VVG	92-05-08	ALL

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM:

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT:

REGION: 75C

EOR.OPT7:

NC.FIELDS:
75C

NC.VALUES:

NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM:

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP:

STRATA:

COLL/PHOTO#:

Element Occurrence Record
SANDHILL

Identifiers:

Elcode EO# State:
E_CODE: CTB0000000*071*FL FONUM: IDENT: Y
SNAME: SANDHILL
SCOMNAME:
ELEMENT RANKS: GRANK: G2G3 NRANK: SRANK: S2

Locators:

NATION: US SITECODE: S.USFLHP*6156
SITENAME: SHAW LAKE
SURVEYSITE: PNA FLVOLU009; SITE #3 ON U900RZ02

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLVOLU Volusia

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
PIERSON 2908124 14 8,1

LAT: 291429N S: 291419N
LONG: 0812419W N: 291433N
E: 0812413W
W: 0812430W

COORD.COM:

TOWNRANGE: SECTION: MERIDIAN: TRSNOTE:
C 3029E 31 TA NE 1/4

DIRECTIONS: CA. 3.8 AIR MILES NE OF BARBERVILLE.

PHYSPROV: WATERSHED:
AL 03080101

Status:

SURVEYDATE: 1994-09-13 LASTOBS: 1994-09-13 FIRSTOBS: 1990-11-21
EORANK: B/C EORANKDATE: 1994-09-13
EORANKCOM: UNBURNED BUT ESSENTIALLY INTACT GROUNDCOVER. NUMEROUS JEEP
TRAILS.

EODATA: 1994-09-13: PNDSCH03 REPORTS: CANOPY - PINUS CLAUSEA [50%
COVER, 4-8" DBH, 30-40' TALL (OCCASIONAL OLD TREE 16" DBH
AND 50+' TALL)], QUERCUS LAEVIS (5%, </=8", 30-35'), AND
PINUS PALUSTRIS (1%, </=8", 40'); SUBCANOPY - Q. GEMINATA,
Q. MYRTIFOLIA, AND Q. CHAPMANII (5%, 4-6", 10-20') AND
QUERCUS LAEVIS (20%, 3-6", 10-30'); UNDERSTORY VERY OPEN -
SERENOA REPENS (5%, 3'); GROUNDCOVER - ARISTIDA STRICTA
(10%, CLUMPS WEAK), CLADONIA LICHENS (5%), LICANIA MICHAUXII
(5%), AND LEAF LITTER (50%). ABUNDANT ARISTIDA IN SOME AREAS
(60-90%). OCCASIONAL P. PALUSTRIS SEEDLING NOTED. ONE ILEX
ARENICOLA (6') WAS GROWING IN THE OPEN UNDER A LARGE P.
CLAUSEA. ONE ACTIVE GOPHERUS POLYPHEMUS BURROW OBSERVED. NO
SIGN OF RECENT FIRE. 1990-11-21: U900RZ02 REPORTS:
OPEN-CANOPIED MATURE LONGLEAF PINE (PINUS PALUSTRIS) - SAND
PINE (PINUS CLAUSEA) SANDHILL WITH A FAIRLY CONTINUOUS
WIREGRASS (ARISTIDA STRICTA) GROUNDCOVER. NATURAL BARE

PATCHES OF SAND OCCUR IN THE HERBACEOUS LAYER, DESPITE LONG-TERM FIRE SUPPRESSION. GREEN-EYES (BERLANDIERA SUBACALIS), SCRUB PALMETTO (SABAL ETONIA), A BEAKRUSH (RHYNCHOSPORA INTERMEDIA), ALL FLORIDA ENDEMICS OCCUR HERE.

CONTACTID:
CONTACT.NOTE:

CONTACT.NAME:

Description:

EOTYPE:

GENDESC: 1994-09-13: (PNDSCH03): THE NUMEROUS SCRUB RIDGES WERE FREQUENTLY NARROW WITH STEEP SLOPES. THESE RIDGES WERE PART OF A MOSAIC WITH BAYGALLS, DEPRESSION MARSHES, AND FLATWOODS. A FEW SMALL PATCHES OF PLANTED SAND PINE WERE PRESENT (E.G. T15S, R29E, SECTION 3 NW1/4NW1/4NE1/4). SLASH PINE PLANTATIONS COVERED SOME OF THE OUTLYING AREAS. LARGE FERN NURSERIES COVERING >100 ACRES WERE TO THE EAST AND NORTH. 1990-11-21: (U900RZ02): 60-80 ACRE SANDHILL DOMINATED BY LONGLEAF PINE-TURKEY OAK- WIREGRASS ON HILLTOP 30-50 FT. CONTOUR IN A PINE FLATWOODS- PINE PLANTATION.

MINELEV: 35 MAXELEV: 50 SIZE: 18

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: Y MOREMGMT: Y TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER: UNION CAMP CORPORATI OWNERINFO:
OWNERCOM: STROTHER TIMBERLANDS LTD. AND MADISON TIMBERLANDS INC., P.O. BOX 1857, ALACHUA, FL 32615 OWN THE UPLANDS IN SECTION 32 (PARCEL #4932-00-00-0020) AND 363 ACRES IN SECTION 31 (PARCEL #4931-00-00-0040). MAX BATES OF PIERSON POSTED THE ROAD IN SEC 31 SE1/4NW1/4. EVANS FARM OF ORANGE CITY POSTED SEC 32 NW1/4NW1/4. A PORTION OF THE BAYGALL EAST OF THE RIDGE IN SECTIONS 32 AND 33 WAS RECENTLY PURCHASED BY THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT AS PART OF THE STROTHER TRACT.

General Comments:

COMMENTS: SCHULTZ IDENTIFIED THIS AS A SANDHILL/SCRUB MIXTURE, WITH SANDHILL PREDOMINATE. SCRUB EO*734 BORDERS THIS COMMUNITY ON THE SOUTH AND EAST. SCHULTZ USED AERIAL PHOTO FDOT PD 4038-6-17; FLOWN 1-21-92.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS: 75C

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS: N
BESTSOURCE: ORZELL, STEVE. 1990. ECOLOGICAL EVALUATION OF SELECTED UNION

CAMP LANDS, VOLUSIA COUNTY, 13 DECEMBER 1990.

SOURCECODE: CITATION:

U900RZ02FLUS ORZELL, STEVE. 1990. ECOLOGICAL EVALUATION OF SELECTED UNION CAMP

SPECIMENS:

CONTRACT:

DIG.METHOD: ARC/INFO

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-09-13: INDEFINITE BOUNDARY.

DIG.DATES: 95-03-01 MRR

TRANSCRIBER: 91-08-21 SLO CDREV: Y

MAPPER: 92-03-25 TEO QC: Y

Record Maintenance:

LEADRESP:

EDITION: EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-27	46/49/54
USFLHP	VVG	95-01-09	46/49/54
USFLHP	VVG	95-01-09	7/23/24/25/45/46/49/50/64/
USFLHP	JA	94-08-10	89
USFLHP	VVG	92-05-08	ALL

MATERIAL FILE.NOTE:

Optional Fields:

COORD.COM:

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT:

ECOREGION: 75C

EOR.OPT7:

NC.FIELDS:
75C

NC.VALUES:

NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD: ARC/INFO

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-09-13: INDEFINITE BOUNDARY.

DIG.DATES: 95-03-01 MRR

EOR.OPT16:

EOR.OPT17:

PLANT.SPP:

STRATA:

COLL/PHOTO#:

Element Occurrence Record
SANDHILL UPLAND LAKE

Identifiers:

Elcode EO# State:
E CODE: CLC0000000*018*FL FONUM: IDENT: Y
SNAME: SANDHILL UPLAND LAKE
SCOMNAME:
ELEMENT RANKS: GRANK: G3 NRANK: SRANK: S2

Locators:

NATION: US SITECODE: S.USFLHP*6156
SITENAME: SHAW LAKE
SURVEYSITE: SITE 8 ON U900RZ02

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLVOLU Volusia

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
PIERSON 2908124 9 6,3

LAT: 291300N S: 291245N
LONG: 0812612W N: 291309N
E: 0812550W
W: 0812636W

COORD.COM:

TOWNRANGE: SECTION: MERIDIAN: TRSNOTE:
0 029E 06 TA ALSO SECTION 7.

DIRECTIONS: CA. 2 AIR MILES SOUTHEAST OF PIERSON, EAST OF US 17, NORTH
OF LAKE PURDAM.

PHYSPROV: WATERSHED:
AL 03080101

Status:

SURVEYDATE: 1990-11-21 LASTOBS: 1990-11-21 FIRSTOBS: 1990
EORANK: B EORANKDATE: 90-11-21
EORANKCOM: UNDEVELOPED, INTACT EXAMPLE OF A LARGE SANDHILL LAKE.

EODATA: RATHER LARGE, PICTURESQUE, CLEAR, SAND-BOTTOM LAKE WITH A
MARSHY LITTORAL BORDER OF SAWGRASS (CLADIUM JAMAICENSE) AND
DAHOON HOLLY (ILEX CASSINE) GROWING AROUND THE LAKE MARGIN.

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

EOTYPE:
GENDESC: CAIN LAKE IS ONE IN A SERIES OF NATURAL LAKE SANDHILL LAKES
ON THE DELAND RIDGE.

MAXELEV: 36 MAXELEV: SIZE: 145

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER: OWNERINFO:

OWNERCOM:

General Comments:

COMMENTS: EXCEPT FOR A HOUSE ON THE SOUTHWEST SHORE THIS 200 ACRE LAKE
IS UNDISTURBED.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS: 75C

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS: N

BESTSOURCE: ORZELL, STEVE. 1990. ECOLOGICAL EVALUATION OF SELECTED UNION
CAMP LANDS, VOLUSIA COUNTY, 13 DECEMBER 1990.

SOURCECODE: CITATION:

U900RZ02FLUS ORZELL, STEVE. 1990. ECOLOGICAL EVALUATION OF SELECTED UNION CAMP

SPECIMENS:

CONTRACT:

DIG.METHOD:

DIG.COM:

DIG.DATES:

TRANSCRIBR: 91-08-21 SLO CDREV: Y

MAPPER: 91-10-07 TEO QC: Y

Record Maintenance:

LEADRESP:

EDITION: EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-30	7
USFLHP	JA	94-08-10	89
USFLHP	VVG	92-02-24	ALL

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM:

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT:

REGION: 75C

EOR.OPT7:

NC.FIELDS:
75C

NC.VALUES:

NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM:

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP:

STRATA:

COLL/PHOTO#:

Element Occurrence Record
SCRUB

Identifiers:

Elcode EO# State:
ECCODE: CTA0000000*733*FL FONUM: IDENT: Y
SNAME: SCRUB
SCOMNAME:
ELEMENT RANKS: GRANK: G2 NRANK: SRANK: S2

Locators:

NATION: US SITECODE: S.USFLHP*6156
SITENAME: SHAW LAKE
SURVEYSITE: SITE #4 ON U900RZ02

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLVOLU Volusia

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
PIERSON 2908124 5 10,3

LAT: 291328N S: 291323N
LONG: 0812315W N: 291330N
E: 0812310W
W: 0812328W

COORD.COM:

TOWNRANGE: SECTION: MERIDIAN: TRSNOTE:
G 3029E 03 TA SE4,SE4,NW4

DIRECTIONS: CA. 3.5 AIR MILES NE OF BARBERVILLE.

PHYS PROV: WATERSHED:
AL 03080101

Status:

SURVEYDATE: 1990-11-21 LASTOBS: 1990-11-21 FIRSTOBS: 1990
EORANK: B/C EORANKDATE: 90-11-21
EORANKCOM: LARGE AREA OF OAK SCRUB IN THIS REGION OF THE STATE.

EODATA: SAND LIVE OAK (QUERCUS GEMINATA), MYRTLE OAK (QUERCUS MYRTIFOLIA), CHAPMAN OAK (Q. CHAPMANII), FETTERBUSH (LYONIA LUCIDA), AND ROSEMARY (CERATIOLA ERICOIDE) FORM DENSE CLUMPS VARYING IN HEIGHT UP TO NEARLY 3 METERS, ALSO OPEN PATCHES OF BARE WHITE SAND OR LICHEN COVER. SCRUB OLIVE (OSMANTHUS MEGACARPA) AND LARGE-FLOWERED ROSEMARY (CONRADINA GRANDIFLORA) GROW AT THIS SITE.

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

EOTYPE:
G ESC: RATHER EXTENSIVE AREA OF GENTLY ROLLING SCLEROPHYLLOUS EVERGREEN OAK SCRUB.

MINELEV: 35 MAXELEV: SIZE: 17

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: Y MOREMGMT: Y TNCINVOLVE:

MGMTCOM: MANAGE TO MAINTAIN AN OPEN OAK SCRUB SERAL COMMUNITY-PREVENT
SUCCESSION TO A CLOSED SAND PINE FOREST.

PROTCOM:

Ownership:

OWNER: UNION CAMP CORPORATI OWNERINFO:

OWNERCOM:

General Comments:

COMMENTS: SITE MAY HAVE ORIGINALLY BEEN A SAND PINE FOREST WHICH WAS
CLEARED FOR PINE PLANTATION BUT REVERTED TO OAK SCRUB. THERE
IS POTENTIAL FOR SOME ADDITIONAL ENDEMIC AND/OR RARE SCRUB
PLANTS IF SITE WAS SURVEYED DURING DIFFERENT SEASONS.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS: 75D

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS: N
BESTSOURCE: ORZELL, STEVE. 1990. ECOLOGICAL EVALUATION OF SELECTED UNION
CAMP LANDS, VOLUSIA COUNTY, 13 DECEMBER 1990.

SOURCECODE: CITATION:

U90ORZ02FLUS ORZELL, STEVE. 1990. ECOLOGICAL EVALUATION OF SELECTED UNION CAMP

SPECIMENS:

CONTRACT:

DIG.METHOD:

DIG.COM:

DIG.DATES:

TRANSCRIBR: 91-08-21 SLO CDREV: Y
MAPPER: 91-10-07 TEO QC: Y

Record Maintenance:

LEADRESP:

EDITION: EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-30	7
USFLHP	JA	94-08-10	89
USFLHP	VVG	92-02-24	ALL

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM:

EOR.OPT2:

EOR.OPT3:

● EOR.OPT4:

CONTRACT:

ECOREGION: 75D

EOR.OPT7:

NC.FIELDS:
75D

NC.VALUES:

NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM:

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

● PLANT.SPP:

STRATA:

COLL/PHOTO#:

Element Occurrence Record
SCRUB

Identifiers:

Elcode EO# State:
E_CODE: CTA0000000*734*FL FONUM: IDENT: Y
SNAME: SCRUB
SCOMNAME:
ELEMENT RANKS: GRANK: G2 NRANK: SRANK: S2

Locators:

NATION: US SITECODE: S.USFLHP*6156
SITENAME: SHAW LAKE
SURVEYSITE: PNAFLVOLU009; SECTION 31 AND 32 SCRUB. SITE 5 ON
U900RZ02.

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLVOLU Volusia

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
PIERSON 2908124 6 10,2

LAT: 291358N S: N
LONG: 0812309W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

T RANGE: SECTION: MERIDIAN: TRSNOTE:
014S029E 32 TA

DIRECTIONS: Must have 4WD vehicle and topographic map or aerial photograph in hand. From US 17 in Barberville, go E on SR 40 ca. 3.4 miles to a slight bend in the road. Turn N on the graded dirt (but with numerous rough spots of deep sand or mud) Truck Trail #11 and go N ca. 2.1 miles. Turn W on graded Truck Trail #13 and go through scrub for ca. 0.5 mile. Passing a gate, continue SW on a rough jeep trail ca. 0.4 mile, then W another 0.25 mi onto the scrub ridge. EO begins here and continues W.

PHYSPROV: WATERSHED:
AL 03080101

Status:

SURVEYDATE: 1994-09-13 LASTOBS: 1994-09-13 FIRSTOBS: 1990-11-21
EORANK: B-C EORANKDATE: 1994-09-13
EORANKCOM: Numerous jeep trails. Unburned for many years with large Pinus clausa fallen down in some areas. 1990-11-21: Relatively undisturbed scrub.

EODATA: The scrub type varied by location. Visual estimates of dominant species were made in three areas. Section 32 SE1/4: canopy- Pinus clausa [50% cover, ≤8" DBH, 40' tall (occasional old tree 18" DBH and 50+', some dead and standing or blown down)] Quercus laevis (5%, ≤12", 35'), and Q. geminata (5%, ≤12", 35'); subcanopy- Q. geminata, Q.

myrtifolia, and *Q. chapmanii* (30%, 4-6", 10-20'); understory fairly open- *Q. spp.* (10%, 5-10') and *Serenoa repens* (10%, 3-4'); sparse groundcover- *Cladonia* lichens (5%), *Aristida stricta* (5%) and leaf litter (50%); no bare sand except by roads. Some areas approaching xeric hammock. Five active *Gopherus polyphemus* burrows observed. Section 32 NW1/4: canopy- *Pinus clausa* (50-100% cover, ≤10" DBH, 40' tall); subcanopy- *Q. geminata*, *Q. myrtifolia*, and *Q. chapmanii* (10%, 10-15'); understory dense- *Q. spp.* and *Lyonia ferruginea* (35%, 5-10') and *Serenoa repens* (60%, 4'); groundcover- *Cladonia* lichens (10%), *Rhynchospora megalocarpa* (1%); no bare sand except in road. Some old *P. clausa* fallen down. One active *Gopherus polyphemus* burrow observed. Section 31 NE1/4: canopy- *Pinus clausa* [50% cover, 4-8" DBH, 30-40' tall (occasional old tree 16" DBH and 50+' tall)], *Quercus laevis* (5%, ≤8", 30-35'), and *Pinus palustris* (1%, ≤8", 40'); subcanopy- *Q. geminata*, *Q. myrtifolia*, and *Q. chapmanii* (5%, 4-6", 10-20') and *Quercus laevis* (20%, 3-6", 10-30'); understory very open- *Serenoa repens* (5%, 3'); groundcover- *Aristida stricta* (10%, clumps weak), *Cladonia* lichens (5%), *Licania michauxii* (5%), and leaf litter (50%). Abundant *Aristida* in some areas (60-90%) gave the appearance (?) of sandhill habitat. Occassional *P. palustris* seedling noted. One *Ilex arenicola* (6') was growing in the open under a large *P. clausa*. One active *Gopherus polyphemus* burrow observed. No sign of recent fire.

CONTACTID:
CONTACT.NOTE:

CONTACT.NAME:

Description:

EOTYPE:

GENDESC: The numerous scrub ridges were frequently narrow with steep slopes. These ridges were part of a mosaic with baygalls, depression marshes, and flatwoods. A few small patches of planted sand pine were present (e.g. T15S, R29E, Section 3 NW1/4NW1/4NE1/4). Slash pine plantations covered some of the outlying areas. Large fern nurseries covering >100 acres were to the E and N.

MINELEV: 20 MAXELEV: 60 SIZE: 250

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM: Conduct prescribed burns.

PROTCOM: Protect from clear-cutting.

Ownership:

OWNER:

OWNERINFO:

OWNERCOM: Strother Timberlands Ltd. and Madison Timberlands Inc., P.O. Box 1857, Alachua, FL 32615 own the uplands in Section 32 (Parcel #4932-00-00-0020) and 363 acres in Section 31 (Parcel #4931-00-00-0040). Max Bates of Pierson posted the road in Sec 31 SE1/rNW1/4. Evans Farm of Orange City posted

Sec 32 NW1/4NW1/4. A portion of the baygall east of the ridge in Sections 32 and 33 was recently purchased by the St. Johns River Water Management District as part of the Strother Tract.

General Comments:

COMMENTS: Aerial photo: FDOT PD4038-6-17; flown 1-21-92. Boundary of scrub increased based on photo aerial interpretation and survey by Gary Schultz. Gopherus polyphemus*915 on site.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS: Y
BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904) 462-2144.

SOURCECODE: CITATION:
PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21
U900RZ02FLUS ORZELL, STEVE. 1990. ECOLOGICAL EVALUATION OF SELECTED UNION CAMP

SPECIMENS:

CONTRACT: 1993 TIGER BAY
DIG.METHOD:

D COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-09-13: INDEFINITE BOUNDARY.

DIG.DATES:
TRANSCRIBR: 91-08-21 SLO CDREV:
MAPPER: 91-10-07 TEO QC: Y

Record Maintenance:

LEADRESP:
EDITION: EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-27	34/36/37/76
USFLHP	VVG	95-01-09	7/8/11/13/15/16/17/18/20/2
USFLHP	VVG	95-01-09	COPY

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION: 75D

EOR.OPT7:

NC.FIELDS: NC.VALUES: NC.VALUE.COM:
75D

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-09-13: INDEFINITE BOUNDARY.

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP: STRATA: COLL/PHOTO#:

Element Occurrence Record
SCRUB

Identifiers:

Elcode EO# State:
ELCODE: CTA0000000*900*FL FONUM: 900 IDENT: Y
SNAME: SCRUB
SCOMNAME:
ELEMENT RANKS: GRANK: G2 NRANK: SRANK: S2

Locators:

NATION: US SITECODE: S.USFLHP*6156
SITENAME: SHAW LAKE
SURVEYSITE: PNAFLVOLU009; SHAW LAKE SOUTH SCRUB

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLVLU Volusia

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
PIERSON 2908124 27 5,2

LAT: 291338N S: N
LONG: 0812637W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

TOWNRANGE: SECTION: MERIDIAN: TRSNOTE:
C 3029E 6 TA W1/2NW1/4

DIRECTIONS: From SR 40 in Barberville, go NW on US 17 ca. 2.3 mi (just S of Pierson) to Hagstrom Rd. Turn N (right) and go ca. 1.0 mi to a 3-way intersection. Turn E on the graded dirt Shaw Lake Rd. and go ca. 0.4 mi. EO is on N side of road.

PHYSPROV: WATERSHED:
AL 03080101

Status:

SURVEYDATE: 1994-09-15 LASTOBS: 1994-09-15 FIRSTOBS: 1994-09-15
EORANK: C EORANKDATE: 1994-09-15
EORANKCOM: West side in Section 1 partially cleared for subdivision.

EODATA: The scrub was divided into two different parts. The W side in Section 1 was partially cleared for a residential subdivision with sand roads and lot markers. The E side remained undeveloped with its canopy of mature *Pinus clausa* and thick oak subcanopy. Visual estimates of dominant species were made for the 2 parts. East side: canopy- *Pinus clausa* (65% cover, ≤ 12 " DBH, 40-60'tall); subcanopy- *Quercus geminata*, *Q. chapmanii*, and *Q. myrtifolia* (30%, ≤ 5 ", 10-30'); understory- *Serenoa repens* (35%, 3-4'), *Quercus* spp. (20%, 3-10'), and *Lyonia ferruginea* (5%); and groundcover- *Cladonia* lichens (20%). No bare ground. West side: canopy- *Pinus clausa* [5% cover, ≤ 6 " (rarely 10") DBH, 20- 35' tall]; understory- *Quercus geminata*, *Q. chapmanii*, and *Q. myrtifolia* (75%, 3-10'), *Serenoa repens* (10%, 3-5'),

and *Lyonia ferruginea* (10%, 5-10'); groundcover- *Cladonia* lichens (5%). Bare sand was evident along roads and S portion near Shaw Lake Road which was mowed regularly to keep down the understory. Some areas in this S part had numerous (50% cover) *P. clausa* while others had abundant *Ceratiola ericoides* (20%, 2- 3'). Five plants of *Ilex arenicola* (6-10') were growing in or around Lot 10, ca. 500' W of the section line and 250' N of Shaw Lake Road. Two plants had immature fruit. *Persea humilis* were occasionally seen scattered throughout the scrub. See field notes for species list. No *Gopherus polyphemus* burrows were found.

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

EOTYPE:

GENDESC: The partially cleared scrub in Section 1 NE1/4 had a few houses on its W side. The scrub in Section 6 NW1/4 had a canopy of old sand pines. A disturbed baygall (See VOLU09.BG) [#041] separated the N side of the E-W scrub ridge from Shaw Lake. The lake was developed on its E side with houses, fern nurseries, and pastures. Other fern nurseries were N and W of the baygall.

MINELEV: 40 MAXELEV: 45 SIZE: 550

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER: OWNERINFO:
OWNERCOM: Union Camp had posted the NW 1/4 of Section 6.

General Comments:

COMMENTS: Aerial photo: FDOT PD4038-4-11 and 5-14; flown 3-3-92. Two disjunct communities separated by narrow strip of Baygall *041.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: Y PHOTOS: Y
BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904) 462-2144.

SOURCECODE: CITATION:

PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-09-15: INDEFINITE BOUNDARY.

DIG.DATES:

TRANSCRIBER: 94-09-15 GES CDREV: Y

MAPPER: 94-12-09 MLE QC: Y

Record Maintenance:

LEADRESP:

EDITION: EDAUTHOR:

Maintenance History:

OFFICE: INITIALS: CHANGE.DATE: CHANGE.FIELDS:

USFLHP VVG 95-01-27 37

USFLHP VVG 95-01-09 1/7/11/13/15/16/17/20/21/3

USFLHP VVG 95-01-09 COPY

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS: NC.VALUES: NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM: SCHULTZ, GARY (PNDSCH03). SOURCE SCALE: 1:24,000. SOURCE MAP
DATE: 1994-09-15: INDEFINITE BOUNDARY.

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP: STRATA: COLL/PHOTO#:

Element Occurrence Record
GOPHERUS POLYPHEMUS

Identifiers:

Elcode EO# State:
L CODE: ARAAF01030*915*FL FONUM: 915 IDENT: Y
SNAME: GOPHERUS POLYPHEMUS
SCOMNAME: GOPHER TORTOISE
ELEMENT RANKS: GRANK: G3 NRANK: SRANK: S3

Locators:

NATION: US SITECODE: S.USFLHP*6156
SITENAME: SHAW LAKE
SURVEYSITE: PNAFLVOLU009; SECTION 31 AND 32 SCRUB

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLVOLU Volusia

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
PIERSON 2908124 30 10,2

LAT: 291358N S: N
LONG: 0812309W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

TOWNRANGE: SECTION: MERIDIAN: TRSNOTE:
C 3029E 32 TA

DIRECTIONS: Must have 4WD vehicle and topographic map or aerial photograph in hand. From US 17 in Barberville, go E on SR 40 ca. 3.4 miles to a slight bend in the road. Turn N on the graded dirt (but with numerous rough spots of deep sand or mud) Truck Trail #11 and go N ca. 2.1 miles. Turn W on graded Truck Trail #13 and go through scrub for ca. 0.5 mile. Passing a gate, continue SW on a rough jeep trail ca. 0.4 mile, then W another 0.25 mi onto the scrub ridge. EO begins here and continues W.

PHYSPROV: WATERSHED:
AL 03080101

Status:

SURVEYDATE: 1994-09-13 LASTOBS: 1994-09-13 FIRSTOBS: 1994-09-13
EORANK: B-C EORANKDATE: 1994-09-13
EORANKCOM: Scrub unburned for many years with large Pinus clausa fallen down in some areas.

EODATA: Gopherus polyphemus active burrows were observed in three locations. Five in Section 32 SE1/4, one in Section 32 NW1/4, one in Section 31 NE1/4.

C/ TACTID: CONTACT.NAME:
C/ TACT.NOTE:

Description:

EOTYPE:

GENDESC: Scrub *734: the numerous scrub ridges were frequently narrow with steep slopes. These ridges were part of a mosaic with baygalls, depression marshes, and flatwoods. [Gopherus may also occur in Sandhill #071.] A few small patches of planted sand pine were present (e.g. T15S, R29E, Section 3 NW1/4NW1/4NE1/4). Slash pine plantations covered some of the outlying areas. Large fern nurseries covering >100 acres were to the E and N.

MINELEV: 40 MAXELEV: SIZE:

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER: OWNERINFO:
OWNERCOM: Strother Timberlands Ltd. and Madison Timberlands Inc., P.O. Box 1857, Alachua, FL 32615 own the uplands in Section 32 (Parcel #4932-00-00-0020) and 363 acres in Section 31 (Parcel #4931-00-00-0040). Max Bates of Pierson posted the road in Sec. 31 SE1/4NW1/4. Evans Farm of Orange City posted Sec. 32 NW1/4NW1/4. A portion of the baygall east of the ridge in Sections 32 and 33 was recently purchased by the St. Johns River Water Management District as part of the Strother Tract.

General Comments:

COMMENTS: Aerial photo: FDOT PD4038-6-17; flown 1-21-92.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: PHOTOS: Y
BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904) 462-2144.

SOURCECODE: CITATION:
PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY
DIG.METHOD:

DIG.COM:

DIG.DATES:

TRANSCRIBR: 94-09-13 GES CDREV: Y
MAPPER: 94-12-12 MLE QC: Y

Record Maintenance:

RESP:
EDITION: EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-27	37
USFLHP	VVG	95-01-09	1/7/11/13/15/16/17/18/20/2
USFLHP	VVG	95-01-09	COPY

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS: NC.VALUES: NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM:

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP: STRATA: COLL/PHOTO#:

Element Occurrence Record
CONRADINA GRANDIFLORA

Identifiers:

Elcode EO# State:
1 CODE: PDLAM0D040*053*FL FONUM: IDENT: N
SNAME: CONRADINA GRANDIFLORA
SCOMNAME: LARGE-FLOWERED ROSEMARY
ELEMENT RANKS: GRANK: G3 N RANK: SRANK: S3

Locators:

NATION: US SITECODE: S.USFLHP*6156
SITENAME: SHAW LAKE
SURVEYSITE: SITE #4 U900RZ02

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLVOLU Volusia

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
PIERSON 2908124 10 10,3

LAT: 291328N S:
LONG: 0812315W N:
E:
W:

COORD.COM:

TOWNRANGE: SECTION: MERIDIAN: TRSNOTE:
C 3029E 03 TA SE4, SE4, NW4

DIRECTIONS: CA. 3.5 AIR MILES NORTHEAST OF BARBERVILLE.

PHYS PROV: WATERSHED:
AL 03080101

Status:

SURVEYDATE: 1990-11-21 LASTOBS: 1990-11-21 FIRSTOBS: 1990
EORANK: B EORANKDATE: 90-11-21
EORANKCOM: LARGE VIABLE, REPRODUCING POPULATION.

EODATA: PLANTS ABUNDANT, IN FLOWER AND FRUIT ON 1990-11-21. ROBUST
SHRUBBY INDIVIDUALS GROWING AT EDGES OF OPEN PATCHES OF BARE
WHITE SAND OR LICHEN COVER WITHIN THE DENSE OAK SCRUB.
ASSOCIATES INCLUDE QUERCUS CHAPMANII, LYONIA LUCIDA,
CERATIALA ERICOIDES, AND OSMANTHUS MEGACARPA. SOME PLANTS
COULD BE REFERRABLE TO C. ETONIA.

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

EOTYPE:
GENDESC: EXTENSIVE AREA OF GENTLY ROLLING SCLEROPHYLLOUS EVERGREEN
OAK SCRUB, PERHAPS SITE WAS WINDROWED IN THE PAST.

MINELEV: 35 MAXELEV: SIZE: 0

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: Y MOREMGMT: Y TNCINVOLVE:

MGMTCOM: MANAGE TO MAINTAIN AN OPEN SCRUB SERAL COMMUNITY-PREVENT
SUCCESSION TO A CLOSED SAND PINE FOREST.

PROTCOM: PROTECT AREA FROM FUTURE SILVICULTURAL OPERATIONS.

Ownership:

OWNER: UNION CAMP CORPORATI OWNERINFO:

OWNERCOM:

General Comments:

COMMENTS: SITE MAY HAVE BEEN DISTURBED IN THE PAST, WHICH FAVORED
DEVELOPMENT OF A FAIRLY DENSE OAK SCRUB RATHER THAN A SAND
PINE FOREST. PLANTS MIGHT BE REFERRABLE TO CONRADINA ETONIA
DUE TO LARGE FLOWER SIZE AND LARGE WIDE LEAVES - NEED TO
VERIFY WHEN DESCRIPTION OF C. ETONIA IS PUBLISHED.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS: 75D

Documentation:

DATASENS: BOUNDARIES: PHOTOS: N
BESTSOURCE: ORZELL, STEVE. 1990. ECOLOGICAL EVALUATION OF SELECTED UNION
CAMP LANDS, VOLUSIA COUNTY, 13 DECEMBER 1990.

SOURCECODE: CITATION:
U90ORZ02FLUS ORZELL, STEVE. 1990. ECOLOGICAL EVALUATION OF SELECTED UNION CAMP

SPECIMENS:

CONTRACT:
DIG.METHOD:

DIG.COM:

DIG.DATES:
TRANSCRIBR: 91-08-21 SLO CDREV: Y
MAPPER: 91-10-07 TEO QC: Y

Record Maintenance:

LEADRESP:
EDITION: EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-30	7
USFLHP	JA	94-08-10	89
USFLHP	VVG	92-02-24	ALL

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM:

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT:

ECOREGION: 75D

EOR.OPT7:

NC.FIELDS:
75D

NC.VALUES:

NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

D METHOD:

DIG.COM:

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP:

STRATA:

COLL/PHOTO#:

Element Occurrence Record
ILEX OPACA VAR ARENICOLA

Identifiers:

Elcode EO# State:
E CODE: PDAQU010R1*094*FL FONUM: IDENT:
SNAME: ILEX OPACA VAR ARENICOLA
SCOMNAME: SCRUB HOLLY
ELEMENT RANKS: GRANK: G5T3 NRANK: SRANK: S3

Locators:

NATION: US SITECODE: S.USFLHP*6156
SITENAME: SHAW LAKE
SURVEYSITE: PNAVOLU009; SHAW LAKE SOUTH SCRUB

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLVOLU Volusia

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
PIERSON 2908124 29 5,2

LAT: 291337N S: N
LONG: 0812642W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

TOWNRANGE: SECTION: MERIDIAN: TRSNOTE:
0 028E 1 TA N2SE4NE4

DIRECTIONS: From SR 40 in Barberville, go NW on US 17 ca. 2.3 mi (just S of Pierson) to Hagstrom Rd. Turn N (right) and go ca. 1.0 mi to a 3-way intersection. Turn E on the graded dirt Shaw Lake Rd. and go ca. 0.4 mi. EO is on N side of road.

PHYSPROV: WATERSHED:
AL 03080101

Status:

SURVEYDATE: 1994-09-15 LASTOBS: 1994-09-15 FIRSTOBS: 1994-09-15
EORANK: C EORANKDATE: 1994-09-15
EORANKCOM: Scrub in Section 1 partially cleared for subdivision.

EODATA: Five plants of Ilex arenicola (6-10'tall) were growing in or around Lot 10, ca. 500' W of the section line and 250' N of Shaw Lake Road. Two plants had immature fruit. The scrub was divided into two different parts.

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

EOTYPE:
GT ESC: See Scrub *900 for more details. The partially cleared scrub in Section 1 NE1/4 had a few houses on its W side. The scrub in Section 6 NW1/4 had a canopy of old sand pines. A disturbed baygall (See VOLU09.BG) [*041] separated the N

side of the E-W scrub ridge from Shaw Lake. The lake was developed on its E side with houses, fern nurseries, and pastures. Other fern nurseries were N and W of the baygall.

LINELEV: 45 MAXELEV: SIZE:

Protection:

ACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER: OWNERINFO:
OWNERCOM: Union Camp had posted the NW 1/4 of Section 6.

General Comments:

COMMENTS: Aerial photo: FDOT PD4038-5-14; flown 3-3-92.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: PHOTOS: Y
BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904)
462-2144.

SOURCECODE: CITATION:
PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY
DIG.METHOD:

DIG.COM:

DIG.DATES:

TRANSCRIBR: 94-09-15 GES CDREV: Y
MAPPER: 94-12-09 MLE QC: Y

Record Maintenance:

LEADRESP:
EDITION: EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-27	37
USFLHP	VVG	95-01-09	7/11/13/15/16/17/20/21/33/
USFLHP	VVG	95-01-09	COPY

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS:

NC.VALUES:

NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM:

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP:

STRATA:

COLL/PHOTO#:

Element Occurrence Record
ILEX OPACA VAR ARENICOLA

Identifiers:

Elcode EO# State:
ECODE: PDAQU010R1*095*FL FONUM: IDENT: Y
SNAME: ILEX OPACA VAR ARENICOLA
SCOMNAME: SCRUB HOLLY
ELEMENT RANKS: GRANK: G5T3 NRANK: SRANK: S3

Locators:

NATION: US SITECODE: S.USFLHP*6156
SITENAME: SHAW LAKE
SURVEYSITE: PNAFLVOLU009; SECTION 31 AND 32 SCRUB

PRECISION: S

COUNTYCODE: COUNTYNAME LOCALJURIS:
FLVOLU Volusia

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
PIERSON 2908124 31 8,1

LAT: 291428N S: N
LONG: 0812429W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

TOWNRANGE: SECTION: MERIDIAN: TRSNOTE:
0 3029E 31 TA SW4NE4

DIRECTIONS: Must have 4WD vehicle and topographic map or aerial photograph in hand. From US 17 in Barberville, go E on SR 40 ca. 3.4 miles to a slight bend in the road. Turn N on the graded dirt (but with numerous rough spots of deep sand or mud) Truck Trail #11 and go N ca. 2.1 miles. Turn W on graded Truck Trail #13 and go through scrub for ca. 0.5 mile. Passing a gate, continue SW on a rough jeep trail ca. 0.4 mile, then W another 0.25 mi onto the scrub ridge. Continue W on sandy road another 1.3 mi to end where it meets N-S road (Truck Trail 10). Turn N and go 0.5 mi. Turn E onto sandy jeep trail and go ca. 500'. EO is S of road ca. 15'.

PHYS PROV: WATERSHED:
AL 03080101

Status:

SURVEYDATE: 1994-09-13 LASTOBS: 1994-09-13 FIRSTOBS: 1994-09-13
EORANK: C EORANKDATE: 1994-09-13
EORANKCOM: Only one plant seen. Scrub[/sandhill mixture] unburned for many years.

EODATA: One Ilex arenicola (6' tall) was growing in the open under a large Pinus clausa.

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

EOTYPE:

GENDESC: The sandhill was amongst numerous scrub ridges which were frequently narrow with steep slopes. These ridges were part of a mosaic with baygalls, depression marshes, and flatwoods. A few small patches of planted sand pine were present (e.g. T15S, R29E, Section 3 NW1/4NW1/4NE1/4). Slash pine plantations covered some of the outlying areas. Large fern nurseries covering >100 acres were to the E and N.

MINELEV: 40 MAXELEV: SIZE:

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER: OWNERINFO:
OWNERCOM: Strother Timberlands Ltd. and Madison Timberlands Inc., P.O. Box 1857, Alachua, FL 32615 own the uplands in Section 32 (Parcel #4932-00-00-0020) and 363 acres in Section 31 (Parcel #4931-00-00-0040). Max Bates of Pierson posted the road in Sec 31 SE1/4NW1/4. Evans Farm of Orange City posted Sec 32 NW1/4NW1/4. A portion of the baygall east of the ridge in Sections 32 and 33 was recently purchased by the St. Johns River Water Management District as part of the Strother Tract.

General Comments:

COMMENTS: Aerial photo: FDOT PD4038-6-17; flown 1-21-92. One active Gopherus polyphemus burrow observed. No sign of recent fire. EO located within the natural community boundary for Sandhill *071.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: PHOTOS: Y
BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904) 462-2144.

SOURCECODE: CITATION:
PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY
DIG.METHOD:

DIG.COM:

DIG.DATES:
TRANSCRIBR: 94-09-13 GES CDREV: Y
MAPPER: 94-12-12 MLE QC: Y

Record Maintenance:

LEADRESP:
EDITION: EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-27	37
USFLHP	VVG	95-01-09	7/11/13/15/16/17/20/21/23/
USFLHP	VVG	95-01-09	COPY

MANUAL.FILE.NOTE:

Optional Fields:

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

E OPT7:

NC.FIELDS: NC.VALUES: NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM:

DIG.DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP: STRATA: COLL/PHOTO#:

Element Occurrence Record
PERSEA HUMILIS

Identifiers:

Elcode EO# State:
L CODE: PDLAU0B050*207*FL FONUM: IDENT: Y
SNAME: PERSEA HUMILIS
SCOMNAME: SCRUB BAY
ELEMENT RANKS: GRANK: G3 NRANK: SRANK: S3

Locators:

NATION: US SITECODE: S.USFLHP*6156
SITENAME: SHAW LAKE
SURVEYSITE: PNAFLV0LU009; SHAW LAKE SOUTH SCRUB
PRECISION: S
COUNTYCODE: COUNTYNAME LOCALJURIS:
FLV0LU Volusia

QUADNAME: QUADCODE: MARGNUM: DOTNUM: TENTEN:
PIERSON 2908124 28 5,2

LAT: 291338N S:
LONG: 0812637W N: N
E: W
W: W

COORD.COM: OVERLAY: FNAI. MAP SUPPLIED.

TOWNRANGE: SECTION: MERIDIAN: TRSNOTE:
C 029E 6 TA W1/2NW1/4

DIRECTIONS: From SR 40 in Barberville, go NW on US 17 ca. 2.3 mi (just S of Pierson) to Hagstrom Rd. Turn N (right) and go ca. 1.0 mi to a 3-way intersection. Turn E on the graded dirt Shaw Lake Rd. and go ca. 0.4 mi. EO is on N side of road.

PHYS PROV: WATERSHED:
AL 03080101

Status:

SURVEYDATE: 1994-09-15 LASTOBS: 1994-09-15 FIRSTOBS: 1994-09-15
EORANK: C EORANKDATE: 1994-09-15
EORANKCOM: Isolated remnant of scrub. West side in Section 1 partially cleared for subdivision.

EODATA: Persea humilis were occasionally seen scattered throughout the scrub. Largest trees were estimated to be 15' tall.

CONTACTID: CONTACT.NAME:
CONTACT.NOTE:

Description:

EOTYPE:
GENDESC: The scrub was divided at the section line into two different parts. The E side in Section 6 NW1/4 had an old Pinus clausa canopy and thick oak subcanopy. The W side in Section 1 E1/2NE1/4 had a thick shrub strata with few pines. It was partially cleared for a residential subdivision with sand

roads and lot markers. A few houses were W of the scrub. A disturbed baygall (See VOLU09.BG) [*041] separated the N side of the E-W scrub ridge from Shaw Lake. The lake was developed on its E side with houses, fern nurseries, and pastures. Other fern nurseries were N and W of the baygall.

MINELEV: 40 MAXELEV: SIZE:

Protection:

MACODE: MANAME: MATYPE: CONTAINED:

MORELAND: MOREPROT: MOREMGMT: TNCINVOLVE:

MGMTCOM:

PROTCOM:

Ownership:

OWNER: OWNERINFO:
OWNERCOM: Union Camp had posted the NW 1/4 of Section 6.

General Comments:

COMMENTS: Aerial photo: FDOT PD4038-4-11 and 5-14; flown 3-3-92.
Attached to scrub *900.

Additional Topics:

ADDTL.TOPICS:

TOPIC.KEYWORDS:

Documentation:

DATASENS: BOUNDARIES: PHOTOS: Y
BESTSOURCE: Schultz, Gary. Route 3, Box 33-A, Alachua, FL 32615. (904)
462-2144.

SOURCECODE: CITATION:
PNDSCH03FLUS SCHULTZ, GARY. ROUTE 3, BOX 33-A, ALACHUA, FL 32615. (904) 462-21

SPECIMENS:

CONTRACT: 1993 TIGER BAY
DIG.METHOD:

DIG.COM:

DIG.DATES:

TRANSCRIBR: 94-09-15 GES CDREV: Y
MAPPER: 94-12-09 MLE QC: Y

Record Maintenance:

LEADRESP:
EDITION: EDAUTHOR:

Maintenance History:

OFFICE:	INITIALS:	CHANGE.DATE:	CHANGE.FIELDS:
USFLHP	VVG	95-01-27	37
USFLHP	VVG	95-01-09	7/11/13/15/16/17/20/21/33/
USFLHP	VVG	95-01-09	COPY

MANUAL.FILE.NOTE:

Optional Fields:

C/D.COM: OVERLAY: FNAI. MAP SUPPLIED.

EOR.OPT2:

EOR.OPT3:

EOR.OPT4:

CONTRACT: 1993 TIGER BAY

ECOREGION:

EOR.OPT7:

NC.FIELDS: NC.VALUES: NC.VALUE.COM:

EOR.OPT11:

EOR.OPT12:

DIG.METHOD:

DIG.COM:

DJ~ DATES:

EOR.OPT16:

EOR.OPT17:

PLANT.SPP: STRATA: COLL/PHOTO#: