A Floristic Survey and Rare Species Assessment of Wild Turkey Strand Preserve, Lee County, Florida
Final Report

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Submitted by
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Submitted to
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Cover photo: Fringed meadowbeauty (*Rhexia petiolata*), a species newly recorded for Lee County, and ranked as Critically Imperiled in South Florida by The Institute for Regional Conservation taken by the primary author.
Introduction:
Lee County Parks and Recreation manages the 2600 acre Wild Turkey Strand Preserve. Lee County possessed very little floristic data on Wild Turkey Strand Preserve including floristic inventories, lists of rare plant species, lists of exotic species, or status of rare plant species. The Institute for Regional Conservation ("IRC") was contracted to provide these data to Lee County on this property.

Methods:
Survey Wild Turkey Strand Preserve, owned by Lee County, producing a species list and collect occurrence data for agency listed rare species. Two biologists visit each habitat during each inventory period. Inventory periods take place over four weeks dispersed throughout the year covering each flowering season, winter, spring, summer, and fall.

a) Make list of all plant species on property.
b) Estimate population sizes on a log$_{10}$ scale of all mature individuals of each plant species.
c) Collect GPS coordinates for occurrences of rare plant species when they occupy small, discrete areas on each site.

Results:
Wild Turkey Strand Preserve was visited by two IRC biologists October 5-7 and December 7-9, 2004 & and April 5-7, 2005 and July 20-22, 2005. Within the Wild Turkey Strand Preserve, a total of 501 native, naturalized, and cultivated exotic plant species were recorded in our surveys. Of these 405 (81%) are considered native to Lee County, 1 is considered doubtfully native, and 94 (19%) are considered exotic and naturalized. One additional non-native species Opuntia ficus-indica was recorded as cultivated only, from dumped material, on the site. Of the exotic species found on the preserve, 57 were considered ruderal or potentially invasive. Potentially invasive species include Acacia auriculiformis, Alternanthera philoceroides, Caperonia palustris, Ceratopteris thalictroides, Cyperus esculentus, Hemarthria altissima, Imperata cylindrica, Lantana camara, Murdannia nudiflora, Nephrilipis multiflora, Oeceoclades maculata, Psidium guajava, Pteris vittata, Rhynchelytrum repens, Senna pendula var. glabra, Syzygium cumini, Urochloa mutica, and Urochloa subquadripara. In addition a species apparently new to the Flora of North America (Eleocharis acutangula) was discovered. This species was invading basin marsh, and it should be closely monitored if not eradicated from the preserve before it becomes problematic elsewhere. Of the native species recorded, 36 species were determined to be ruderal (not occurring in any undisturbed habitat) only 9% of the native flora. Twenty-three vascular plants listed as invasive or potentially invasive by the Florida Exotic Pest Plant Council (FLEPPC) were recorded at the site (table 6). All were found naturalized on the site. Taxonomy follows Wunderlin (1998) or Gann et al. (2004).
No plant species listed by the U.S. Fish and Wildlife Service were recorded. Thirteen plant species listed by the State of Florida as commercially exploited, threatened, or endangered were recorded. One plant species listed by the Florida Natural Areas Inventory (FNAI) as critically imperiled (S1) in Florida was recorded. Seventeen plant species considered critically imperiled (SF1) in South Florida by The Institute for Regional Conservation (Gann et al. 2005) were recorded. One native plant species was newly recorded for Lee County and is ranked SF1 (*Rhexia petiolata*). In addition, as a result of this inventory, *Wolfiella gladiata* has now been downranked to imperiled in South Florida (SF2). Twenty-nine rare plant species were recorded (Table 4), 7% of the native plant species recorded.

If determinations could not be made in the field, plants were new to Lee County, or documentation of unusual species was deemed important plants were vouchered. Primary collections are deposited in part at Fairchild Tropical Botanic Garden Herbarium (FTG) in Coral Gables, FL. Duplicate specimens are deposited at The University of South Florida Herbarium (USF) and other registered herbaria. A total of 65 collections were made at the preserve and include 60 vascular plant species and one non vascular plant species (*Ricciocarpus natans*), a floating liverwort, not included elsewhere in this report.

A total of nine habitats were surveyed during this study (Table 1). Habitats follow guidelines provided by the Florida Natural Areas Inventory and Florida Department of Natural Resources (FNAI, 2004) or The Institute for Regional Conservation (Gann et al., 2004). Habitats surveyed include: basin marsh, bayhead, depression marsh, disturbed upland (including roadside), disturbed wetland, dome swamp, mesic flatwoods, prairie hammock and strand swamp. Bayhead is a habitat newly reported for Wild Turkey Strand Preserve.

The compiled plant list is provided in two formats. Table 2 provides a list of vascular plants recorded at the site arranged by group, family, and then genus/species. Common names and native status are also provided here. Table 3 provides a list of vascular plants recorded at the site arranged by genus/species with common names. In Table 3, native status, state status, FNAI status, IRC status, FLEPPC status, habitat location, and collector/collector # are provided. Also in Table 3, population size estimates on a log10 scale of each of these species are noted. Table 4 provides a list of rare plants recorded at the site. Table 5 provides a list of rare species with GPS coordinates in decimal degrees for discrete locations, and a description of where the plants were observed. Table 6 provides a list of FLEPPC species recorded at the site.

An electronic copy of this report and a plant list with the above information in excel format is also provided and also includes herbarium label data for all plants collected.
Table 1:

The Habitats of Wild Turkey Strand Preserve

The following are habitat descriptions for the 9 habitats encountered in the 2004-2005 survey of Wild Turkey Strand Preserve.

**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 (FNAI 2005).

**Bayhead:** Wetland with peat substrate; usually saturated and occasionally inundated; subtropical; rare or no fire; bays and/or dahoon holly, cocoplum, wax myrtle, and other hardwoods. This category is not used by the Florida Natural Areas Inventory and has been added (Gann et al., 2001).

**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 bands (FNAI 2005).

**Disturbed Upland (including Roadside):** Includes areas such as roadsides, agricultural fields, or thickets. This category is not used by the Florida Natural Areas Inventory and has been added (Gann et al., 2001).

**Disturbed Wetland:** Includes disturbed wet areas such as ditches, canals, and borrow pits. This category is not used by the Florida Natural Areas Inventory and has been added (Gann et al., 2001).

**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. (FNAI 2005)

**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 (FNAI 2005).

**Prairie Hammock:** Flatland with sand/organic soil over marl or limestone substrate; mesic; subtropical; occasional or rare fire; live oak and/or cabbage palm. (FNAI 2005).

**Strand Swamp:** Broad, shallow channel with peat over mineral substrate; seasonally inundated, flowing water; subtropical; occasional or rare fire; cypress and/or willow. (FNAI 2005)
Table 2:
The Vascular Plants of
Wild Turkey Strand Preserve, Lee County

The Institute for Regional Conservation
Miami, Florida

Compiled from field observations made by Steven W. Woodmansee and/or Keith A. Bradley
between October 4th, 2004 and July 22nd, 2005.

**Dicots**

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<td>Cow-pea, Hairypod cowpea</td>
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<td><strong>Fagaceae</strong></td>
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<tr>
<td><em>Quercus laurifolia</em></td>
<td>Laurel oak, Diamond oak</td>
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<tr>
<td><em>Quercus minima</em></td>
<td>Dwarf live oak</td>
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<tr>
<td><em>Quercus virginiana</em></td>
<td>Virginia live oak</td>
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<td><strong>Gentianaceae</strong></td>
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<td><em>Bartonia verna</em></td>
<td>White screwstem</td>
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<td><em>Sabatia bartramii</em></td>
<td>Bartram's rosegentian</td>
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<td><em>Sabatia brevifolia</em></td>
<td>Shortleaf rosegentian</td>
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<td><em>Sabatia grandiflora</em></td>
<td>Largeflower rosegentian</td>
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<tr>
<td><em>Sabatia stellaris</em></td>
<td>Rose-of-Plymouth</td>
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<td><strong>Haloraginaceae</strong></td>
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<td><em>Proserpinaca palustris</em></td>
<td>Mermaid weed, Marsh mermaidweed</td>
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<td><em>Proserpinaca pectinata</em></td>
<td>Mermaid weed, Combleaf mermaidweed</td>
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<td><strong>Hydrophyllaceae</strong></td>
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<td><em>Hydrolea corymbosa</em></td>
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<td><em>Hyptis alata</em></td>
<td>Musky mint, Clustered bushmint</td>
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<td><em>Hyptis pectinata</em></td>
<td>Comb bushmint</td>
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<td><em>Hyptis spicigera</em></td>
<td>Marubio</td>
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<td><em>Hyptis verticillata</em></td>
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<td><em>Lycopus rubellus</em></td>
<td>Taperleaf waterhoarhound</td>
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<td><em>Physostegia purpurea</em></td>
<td>False dragonhead, Eastern false dragonhead</td>
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<td><em>Pilolepis rigida</em></td>
<td>Wild pennyroyal</td>
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<td><strong>Lauraceae</strong></td>
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<td><em>Cassytha filiformis</em></td>
<td>Lovevine, Devil's gut</td>
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<td><strong>Lentibulariaceae</strong></td>
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<td><em>Pinguicula lutea</em></td>
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<td><em>Pinguicula pumila</em></td>
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<td><em>Utricularia cornuta</em></td>
<td>Horned bladderwort</td>
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<td><em>Utricularia foliosa</em></td>
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<td><em>Utricularia gibba</em></td>
<td>Cone-spur bladderwort, Humped bladderwort</td>
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<td><em>Utricularia purpurea</em></td>
<td>Eastern purple bladderwort</td>
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<td><em>Utricularia resupinata</em></td>
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<td><em>Utricularia simulans</em></td>
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<td><em>Utricularia subulata</em></td>
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<td><em>Linum floridanum</em></td>
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<td><em>Linum medium var. texanum</em></td>
<td>Stiff yellow flax</td>
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<td><em>Mitreola petiolata</em></td>
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<td><em>Mitreola sessilifolia</em></td>
<td>Miterwort, Swamp hornpod</td>
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<td><strong>E Urena lobata</strong></td>
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<td><em>Rhexia cubensis</em></td>
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<td><strong>E Ficus microcarpa</strong></td>
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<td><strong>Myrsinaceae</strong></td>
<td><em>Rapanea punctata</em></td>
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<td><strong>Myrtaceae</strong></td>
<td><strong>E Melaleuca quinquenervia</strong></td>
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<td><strong>E Psidium guajava</strong></td>
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<td><strong>E Rhodomyrtus tomentosa</strong></td>
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<td><strong>E Syzygium cumini</strong></td>
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<td><strong>Oenothera laciniata</strong></td>
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<td><strong>Oxalidaceae</strong></td>
<td><strong>Oxalis corniculata</strong></td>
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Passifloraceae
   *Passiflora suberosa*  Corkystem passionflower

Phytolaccaceae
   *Phytolacca americana*  American pokeweed

Polygalaceae
   *Polygala baldainii*  Baldwin's milkwort
   *Polygala cruciata*  Drumheads
   *Polygala cymosa*  Tall pinebarren milkwort
   *Polygala grandiflora*  Candyweed, Showy milkwort
   *Polygala incarnata*  Procession flower
   *Polygala lutea*  Orange milkwort
   *Polygala nana*  Candyroot
   *Polygala rugelii*  Big yellow milkwort
   *Polygala setacea*  Coastalplain milkwort

Polygonaceae
   *Polygonum densiflorum*  Denseflower knotweed
   *Polygonum hydropiperoides*  Mild water-pepper, Swamp smartweed
   *Polygonum pensylvanicum*  Pennsylvannia smartweed
   *Polygonum punctatum*  Dotted smartweed

Portulacaceae
   *Portulaca oleracea*  Purslane, Little hogweed

Primulaceae
   *Anagallis minima*  Chaffweed
   *Anagallis pumila*  Florida pimpernel
   *Samolus valerandi subsp. parviflorus*  Pineland pimpernel, Seaside brookweed

Ranunculaceae
   *Clematis baldwinii*  Pine-hyacinth

Rhamnaceae
   *Berchemia scandens*  rattan vine, Alabama supplejack

Rosaceae
   *Rubus cuneifolius*  Sand blackberry
   *Rubus trivialis*  Southern dewberry

Rubiaceae
   *Cephalanthus occidentalis*  Common buttonbush
   *Diodia teres*  Poor joe, Rough buttonweed
   *Diodia virginiana*  Buttonweed, Virginia buttonweed
   *Galium hispidulum*  Coastal bedstraw
   *Hedyotis corymbosa*  Flattop mille graine
   *Hedyotis procumbens*  Innocence, Roundleaf bluet
   *Hedyotis uniflora*  Clustered mille graine
   *Richardia scabra*  Rough Mexican clover
   *Spermacoce assurgens*  Woodland false buttonweed
   *Spermacoce prostrata*  Prostrate false buttonweed
   *Spermacoce verticillata*  Shrubby false buttonweed
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<thead>
<tr>
<th>Family</th>
<th>Genus and Species</th>
<th>Common Name</th>
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<td>Salicaceae</td>
<td><em>Salix caroliniana</em></td>
<td>Coastal Plain willow</td>
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<td>Sapotaceae</td>
<td><em>Sideroxylon reclinatum</em></td>
<td>Recline Florida bully</td>
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<td>Scrophulariaceae</td>
<td><em>Agalinis fasciculata</em></td>
<td>Beach false foxglove</td>
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<td><em>Agalinis obtusifolia</em></td>
<td>Tenlobe false foxglove</td>
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<td><em>Bacopa caroliniana</em></td>
<td>Lemon hyssop, Lemon bacopa, Blue</td>
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<td><em>Bacopa monnieri</em></td>
<td>Water hyssop, Herb-of-grace</td>
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<td><em>Buchnera americana</em></td>
<td>American bluehearts</td>
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<td><em>Gratiola hispida</em></td>
<td>Rough hedgehyssop</td>
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<td><em>Gratiola ramosa</em></td>
<td>Branched hedgehyssop</td>
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<td><em>Linaria canadensis</em></td>
<td>Canada toadflax</td>
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<td><em>Lindernia crustacea</em></td>
<td>Malaysian false-pimpernel</td>
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<td><em>Lindernia dubia var. anagallidea</em></td>
<td>Yellowseed false-pimpernel</td>
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<td><em>Lindernia grandiflora</em></td>
<td>Savannah false-pimpernel</td>
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<td><em>Mecardonia acuminata subsp. peninsularis</em></td>
<td>Axilflower</td>
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<td><em>Micranthemum glomeratum</em></td>
<td>Manatee mudflower</td>
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<td><em>Micranthemum umbrosum</em></td>
<td>Shade mudflower</td>
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<td><em>Scoparia dulcis</em></td>
<td>Sweetbroom, Licoriceweed</td>
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<td><em>Lycopersicon esculentum</em></td>
<td>Tomato, Garden Tomato</td>
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<td><em>Physalis pubescens</em></td>
<td>Husk tomato</td>
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<td></td>
<td><em>Physalis walteri</em></td>
<td>Walter's groundcherry</td>
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<td><em>Solanum americanum</em></td>
<td>Common nightshade, American black nightshade</td>
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<td><em>Solanum tampicense</em></td>
<td>Aquatic soda-apple</td>
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<td>Sterculiaceae</td>
<td><em>Melochia corchorifolia</em></td>
<td>Chocolateweed</td>
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<td><em>Melochia spicata</em></td>
<td>Bretonica peluda</td>
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<td><em>Waltheria indica</em></td>
<td>Sleepy morning</td>
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<td>Turneraceae</td>
<td><em>Piriqueta caroliniana</em></td>
<td>Pitted stripseed</td>
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<td>Urticaceae</td>
<td><em>Boehmeria cylindrica</em></td>
<td>Button-hemp, False nettle, Bog hemp</td>
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<td>Verbenaceae</td>
<td><em>Callicarpa americana</em></td>
<td>American beautyberry</td>
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<td><em>Lantana camara</em></td>
<td>Shrubverbena</td>
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<td><em>Phyla nodiflora</em></td>
<td>Frog fruit, Turkey tangle fogfruit, Capeweed</td>
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<td>Violaceae</td>
<td><em>Viola lanceolata</em></td>
<td>Bog white violet</td>
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<td><em>Viola palmata</em></td>
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<td>Vitaceae</td>
<td><em>Parthenocissus quinquefolia</em></td>
<td>Virginia-creeper, Woodbine</td>
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<td><em>Vitis rotundifolia</em></td>
<td>Muscadine, Muscadine grape</td>
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</tbody>
</table>
**Gymnosperms**

**Cupressaceae**
*Taxodium ascendens*  
Pond cypress

**Pinaceae**
*Pinus elliottii var. densa*  
South Florida slash pine

**Monocots**

**Alismataceae**
*Sagittaria graminea*  
Grassy arrowhead
*Sagittaria graminea var. chapmanii*  
Chapman's arrowhead
*Sagittaria lancifolia*  
Bulltongue arrowhead

**Amaryllidaceae**
*Crinum americanum*  
Swamp-lily, Seven-sisters, String-lily
*Nothoscordum bivalve*  
False-garlic, Crowpoison

**Araceae**

E  
Pistia stratiotes  
Water-lettuce

**Arecaceae**
*Sabal palmetto*  
Cabbage palm
*Serenoa repens*  
Saw palmetto

**Bromeliaceae**
*Tillandsia balbisiana*  
Reflexed wild-pine, Northern needleleaf
*Tillandsia fasciculata var. densispica*  
Stiff-leaved wild-pine, Cardinal airplant
*Tillandsia paucifolia*  
Twisted wild-pine, Potbelly airplant
*Tillandsia recurvata*  
Ball-moss
*Tillandsia setacea*  
Thin-leaved wild-pine, Southern needleleaf
*Tillandsia usneoides*  
Spanish-moss
*Tillandsia utriculata*  
Giant wild-pine, Giant airplant

**Burmanniaceae**
*Burmannia capitata*  
Southern bluethread

**Commelinaceae**

E  
*Commelina diffusa*  
Common dayflower
E  
*Commelina gambiae*  
Gambian dayflower
E  
*Murdannia nudiflora*  
Nakedstem dewflower
E  
*Murdannia spirata*  
Asiatic dewflower

**Cyperaceae**
Carex longii  
Long's sedge
Carex verrucosa  
Warty sedge
Cladium jamaicense  
Saw-grass, Jamaica swamp sawgrass
Cyperus compressus  
Poorland flatsedge
Cyperus croceus  
Baldwin's flatsedge
Cyperus distinctus  
Distinct flatsedge, Swamp flatsedge
E  
Cyperus esculentus  
Yellow nut-grass, Chufa flatsedge
Cyperus flavescens  
Yellow flatsedge
Cyperus haspan  
Haspan flatsedge
- *Cyperus iria*  
  - Ricefield flatsedge

- *Cyperus ligularis*  
  - Swamp flatsedge

- *Cyperus odoratus*  
  - Fragrant flatsedge

- *Cyperus polystachyos*  
  - Many-spike flatsedge

- *Cyperus pumilus*  
  - Low flatsedge

- *Cyperus retrorsus*  
  - Pinebarren flatsedge

- *Cyperus rotundus*  
  - Nut-grass

- *Cyperus surinamensis*  
  - Tropical flatsedge

- *Eleocharis acutangula*  
  - Acute spikerush

- *Eleocharis baldwinii*  
  - Baldwin's spikerush, roadgrass

- *Eleocharis cellulosa*  
  - Gulf Coast spikerush

- *Eleocharis flavescens*  
  - Yellow spikerush, Pale spikerush

- *Eleocharis geniculata*  
  - Canada spikerush

- *Eleocharis interstincta*  
  - Knotted spikerush

- *Fimbristylis autumnalis*  
  - Slender fimbrystylis

- *Fimbristylis cymosa*  
  - Hurricane sedge, Hurricanegrass

- *Fimbristylis puberula*  
  - Hairy fimbrystylis

- *Fimbristylis schoenoides*  
  - Ditch fimbrystylis

- *Fuirena brevistata*  
  - Saltmarsh umbrellasedge

- *Fuirena scirpoidea*  
  - Southern umbrellasedge

- *Kyllinga brevifolia*  
  - Shortleaf spikesedge

- *Kyllinga odorata*  
  - Fragrant spikesedge

- *Kyllinga pumila*  
  - Low spikesedge

- *Lipocarpha aristulata*  
  - Awned halfchaff sedge

- *Lipocarpha micrantha*  
  - Smallflower halfchaff sedge

- *Rhynchospora colorata*  
  - Starrush whitetop

- *Rhynchospora divergens*  
  - Spreading beaksedge

- *Rhynchospora fascicularis*  
  - Fascicled Beaksedge

- *Rhynchospora fernaldii*  
  - Fernald's beaksedge

- *Rhynchospora filifolia*  
  - Threadleaf beaksedge

- *Rhynchospora inundata*  
  - Narrowfruit horned beaksedge

- *Rhynchospora microcarpa*  
  - Southern beaksedge

- *Rhynchospora nitens*  
  - Shortbeak beaksedge

- *Rhynchospora plumosa*  
  - Plumed beaksedge

- *Rhynchospora rariflora*  
  - Fewflower beaksedge

- *Rhynchospora tracyi*  
  - Tracy's beaksedge

- *Scleria baldwinii*  
  - Baldwin's nutrush

- *Scleria ciliata*  
  - Fringed nutrush

- *Scleria ciliata var. pauciflora*  
  - Fewflower nutrush

- *Scleria hirtella*  
  - Riverswamp nutrush

- *Scleria lacustris*  
  - Wright's nutrush

- *Scleria reticularis*  
  - Netted nutrush

- *Scleria verticillata*  
  - Low nutrush

**Eriocaulaceae**

- *Eriocaulon compressum*  
  - Flattened pipewort

- *Eriocaulon decangulare*  
  - Tenangle pipewort

- *Lachnocaulon anceps*  
  - Whitehead bogbutton

- *Lachnocaulon minus*  
  - Small's bogbutton

- *Sygonanthus flavidulus*  
  - Yellow hatpins
Haemodoraceae

Lachnanthes caroliana  Bloodroot, Carolina redroot

Hypoxidaceae

Hypoxis juncea  Fringed Yellow stargrass

Iridaceae

Sisyrinchium angustifolium  Narroleaf blueeyed-grass

Juncaceae

Juncus marginatus  Shore rush, Grassleaf rush
Juncus megacephalus  Bighead rush

Lemnaceae

Lemna obscura  Little duckweed
Lemna valdiviana  Valdivia duckweed
Spirodela polyrhiza  Common duckweed
Wolffiella gladiata  Bog-mat, Florida mudmidget

Liliaceae

Aletris lutea  Yellow colicroot
Lilium catesbaei  Catesby's lily, Pine lily

Marantaceae

Thalia geniculata  Alligatorflag, Fireflag

Najadaceae

Najas wrightiana  Wright's waternymph

Orchidaceae

Bletia purpurea  Pinepink
Encyclia tampensis  Florida butterfly orchid
Eulophia alta  Wild-coco
Habenaria floribunda  Rein orchid, Toothpetal false reinorchid
Habenaria quinqueseta  Longhorn false reinorchid
Harrisella porrecta  Needleroot airplant orchid
E Oeceoclades maculata  African ground orchid, Monk orchid
Sacoila lanceolata  Leafless beaked lady's-tresses
Spiranthes laciniata  Lacelip lady's-tresses
Spiranthes longilabris  Longlip lady's-tresses
Spiranthes odorata  Fragrant lady's-tresses, Marsh lady's-tresses
Spiranthes vernalis  Spring lady's-tresses

Poaceae

Amphicarpum muhlenbergianum  Blue-maidencane
Andropogon glomeratus var. glaucopsis  Purple bluestem
Andropogon glomeratus var. pumilus  Common bushy bluestem
Andropogon gyrans  Elliott's bluestem
Andropogon ternarius  Splitbeard bluestem
Andropogon virginicus  Broomsedge bluestem
Andropogon virginicus var. glaucus  Chalky bluestem
Aristida beyrichiana  Southern wiregrass
Aristida palustris  Longleaf threeawn
Aristida purpurascens  Arrowfeather threeawn
Aristida spiciformis  
Axonopus fissifolius  
Axonopus furcatus  
Bothriochloa pertusa  
Cenchrus incertus  
Cynodon dactylon  
Dactyloctenium aegyptium  
Dichanthelium aciculare  
Dichanthelium dichotomum  
Dichanthelium ensifolium  
Dichanthelium ensifolium var. unciphyllum  
Dichanthelium leucothrix  
Dichanthelium portoricense  
Dichanthelium strigosum var. glabrescens  
Digitaria bicornis  
Digitaria ciliaris  
Digitaria longiseta  
Digitaria serotina  
Echinochloa colona  
Echinochloa crus-galli  
Echinochloa walteri  
Eleusine indica  
Elionurus tripsacoides  
Eragrostis atrovirens  
Eragrostis ciliaris  
Eragrostis eliotii  
Eragrostis virginica  
Eustachys glauca  
Eustachys petraea  
Gymnopogon brevifolius  
Hemarthria altissima  
Hymenachne amplexicaulis  
Imperata brasiliensis  
Imperata cylindrica  
Leersia hexandra  
Leptochloa fascicularis  
Laziola fluctans  
Muhlenbergia capillaris  
Panicum dichotomiflorum  
Panicum dichotomiflorum var. bartowense  
Panicum hemitomon  
Panicum hians  
Panicum maximum  
Panicum repens  
Panicum rigidum  
Panicum tenerum  
Panicum virgatum  
Paspalidium geminatatum  
Paspalum conjugatum  
Paspalum dissectum  
Paspalum floridanum  
Paspalum laeve  

Bottlebrush threeawn  
Common carpetgrass  
Big carpetgrass  
Pitted bluestem, Pitted beardgrass  
Coastal sandbur  
Bermuda grass  
Crow's-foot grass, Durban crowfootgrass  
Needleleaf witch grass  
Cypress witchgrass  
Cypress witchgrass  
Cypress witchgrass  
Rough witchgrass  
Hemlock witchgrass  
Glabrescent roughhair witchgrass  
Asia crabgrass  
Southern crabgrass  
Indian crabgrass  
Blanket crabgrass, Dwarf crabgrass  
Jungle-rice  
Barnyardgrass  
Coast cockspur  
Indian goose grass  
Pan-American balsamscale  
Thalia love grass  
Gophertail love grass  
Elliott's love grass  
Coastal love grass  
Prairie fingergrass, Saltmarsh fingergrass  
Common fingergrass, Pinewoods fingergrass  
Slim skeleton grass, Shortleaf skeleton grass  
Limpograss  
Trompetilla  
Congongrass, Brazilian satintail  
Congongrass, Cogongrass  
Southern cutgrass  
Bearded spangletop, Bearded sprangletop  
Water grass, Southern watergrass  
Muhlygrass, Hairawnmuhly  
Fall panic grass  
Hairy fall panic grass  
Maidencane  
Gaping panicum  
Guineagrass  
Torpedo grass  
Redtop panicum  
Bluejoint panicum  
Switchgrass  
Egyptian paspalidium  
Sour paspalum, Hilograss  
Mudbank crowngrass  
Florida paspalum  
Field paspalum
*Paspalum monostachyum*  
Gulfdune paspalum

*Paspalum notatum*  
Bahia grass

*Paspalum praecox*  
Early paspalum

*Paspalum repens*  
Water paspalum

*Paspalum setaceum*  
Thin paspalum

*Paspalum urvillei*  
Vasey grass

*Paspalum vaginatum*  
Seashore paspalum

*Rhynchelytrum repens*  
Rose Natalgrass

*Saccharum giganteum*  
Sugarcane plume grass

*Sacciolepis indica*  
Indian cupscale

*Sacciolepis striata*  
American cupscale

*Schizachyrium rhizomatum*  
Rhizomatous bluestem

*Setaria parviflora*  
Knotroot foxtail, Yellow bristle grass

*Sorghastrum secundum*  
Lopsided Indian grass

*E Sorghum bicolor*  
Grain sorghum

*Spartina bakeri*  
Sand cord grass

*E Sporobolus indicus*  
Smut grass

*E Sporobolus indicus var. pyramidalis*  
West Indian drop seed

*Sporobolus junceus*  
Piney woods drop seed

*E Urochloa matica*  
Paragrass

*E Urochloa subquadripers*  
Signal grass, Tropical signal grass

*Zizaniopsis milacea*  
Southern wild rice, Giant cut grass

*E Zoysia tenuifolia*  
Mascarene temple grass

**Pontederiaceae**

*Pontederia cordata*  
Pickerel weed

**Smilacaceae**

*Smilax auriculata*  
Earleaf green brier

*Smilax laurifolia*  
Cat brier, Laurel green brier, Bamboo vine

*Smilax tamnoides*  
Cat brier, Bristly green brier, Hog brier

**Typhaceae**

*Typha domingensis*  
Southern cat tail

**Xyridaceae**

*Xyris ambigua*  
Coastal plain yellow eyed grass

*Xyris brevifolia*  
Short leaf yellow eyed grass

*Xyris caroliniana*  
Carolina yellow eyed grass

*Xyris difformis var. floridana*  
Florida yellow eyed grass

*Xyris elliottii*  
Elliott’s yellow eyed grass

*Xyris flabelliformis*  
Savannah yellow eyed grass

*E Xyris jupica*  
Richard’s yellow eyed grass

*Xyris smalliana*  
Small’s yellow eyed grass

**Pteridophytes**

**Azollaceae**

*Azolla caroliniana*  
Carolina Mosquito Fern

**Blechnaceae**

*Blechnum serrulatum*  
Swamp fern, Toothed midsorus fern

*Woodwardia virginica*  
Virginia chain fern
Dennstaedtiaceae
- *Pteridium aquilinum* var. *caudatum* Lacy braken fern
- *Pteridium aquilinum* var. *pseudocaudatum* Tailed braken fern

Nephrolepidaceae
- *Nephrolepis biserrata* Giant sword fern
- *Nephrolepis exaltata* Wild Boston fern
- E *Nephrolepis multiflora* Asian sword fern

Ophioglossaceae
- *Ophioglossum petiolatum* Stalked adder's tongue fern

Osmundaceae
- *Osmunda regalis* var. *spectabilis* Royal fern

Parkeriaceae
- E *Ceratopteris thalictroides* Watersprite

Polypodiaceae
- *Campyloneurum phyllitidis* Long strap fern
- *Phlebodium aureum* Golden polypody
- *Pleopeltis polypodioides* var. *michauxiana* Resurrection fern

Psilaceae
- *Psilotum nudum* Whisk-fern

Pteridaceae
- E *Pteris vittata* China brake

Salviniaceae
- E *Salvinia minima* Water spangles

Schizaceae
- E *Lygodium microphyllum* Small-leaf climbing fern

Thelypteridaceae
- *Thelypteris interrupta* Interrupted maiden fern, Hottentot fern
- *Thelypteris kunthii* Southern shield fern
- *Thelypteris palustris* var. *pubescens* Marsh fern

Vittariaceae
- *Vittaria lineata* Shoestring fern

E = Not Native to the site

CE = Not Native to the site, persisting from cultivation only

D = Doubtfully Native to the site
Appendix 1: Wild Turkey Strand Preserve Rare Plant Locations

Wild Turkey Strand Preserve
Rare Plant Locations
Overview

Data collected Oct. 2004 - July 2005 by
Steven W. Woodmansee and other IRC staff
Map prepared by Steven W. Woodmansee and Keith Bradley
The Institute for Regional Conservation
Miami, FL
www.regionalconservation.org
Wild Turkey Strand Preserve
Rare Plant Locations
North

Data collected Oct. 2004 - July 2005 by
Steven W. Woodmansee and other IRC staff
Map prepared by Steven W. Woodmansee and Keith Bradley
The Institute for Regional Conservation
Miami, FL
www.regionalconservation.org
Wild Turkey Strand Preserve
Rare Plant Locations
North of Powerlines, Southeast End 2

Data collected Oct. 2004 - July 2005 by
Steven W. Woodmansee and other IRC staff
Map prepared by Steven W. Woodmansee and Keith Bradley
The Institute for Regional Conservation
Miami, FL
www.regionalconservation.org
Wild Turkey Strand Preserve
Rare Plant Locations
South of Powerlines, Central

Data collected Oct. 2004 - July 2005 by
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Map prepared by Steven W. Woodmansee and Keith Bradley
The Institute for Regional Conservation
Miami, FL
www.regionalconservation.org
Wild Turkey Strand Preserve
Rare Plant Locations
South of Powerlines, Central, West End

Data collected Oct. 2004 - July 2005 by
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Map prepared by Steven W. Woodmansee and Keith Bradly
The Institute for Regional Conservation
Miami, FL
www.regionalconservation.org
Wild Turkey Strand Preserve
Rare Plant Locations
South of Powerlines, South, West End

Data collected Oct. 2004 - July 2005 by
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The Institute for Regional Conservation
Miami, FL
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Wild Turkey Strand Preserve
Rare Plant Locations
South of Powerlines, South, East End

Data collected Oct. 2004 - July 2005 by
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Map prepared by Steven W. Woodmansee and Keith Bradly
The Institute for Regional Conservation
Miami, FL
www.regionalconservation.org
Wild Turkey Strand Preserve
Rare Plant Locations
South of Powerlines, South

Data collected Oct. 2004 - July 2005 by
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The Institute for Regional Conservation
Miami, FL
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Wild Turkey Strand Preserve
Rare Plant Locations
South of Powerlines, Site 90

Data collected Oct. 2004 - July 2005 by
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Citations:


