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Florida Natural Areas Inventory

Final Contract Report for DNR Contract No. C5101

SUPPORT OF A DATA BASE FOR PROTECTION AND MANAGEMENT OF RARE/ENDANGERED SPECIES AND EXEMPLARY NATURAL COMMUNITIES OF COASTAL FLORIDA

For the

Department of Natural Resources
Division of State Lands
3900 Commonwealth Boulevard
Tallahassee, Florida 32303

By the

Florida Natural Areas Inventory
254 East Sixth Avenue
Tallahassee, Florida 32303

James William Muller, Coordinator

September 1988

Funds for this project were provided by The Department of Environmental Regulation Office of Coastal Management using funds made available through the National Oceanic and Atmospheric Administration under the Coastal Zone Management Act of 1972, as amended.

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Overview

Because of its subtropical climate, geographic location, and unique geomorphology, Florida is one of the most biologically diverse states. It is also experiencing one of the nation's highest rates of population growth with the coastal zone experiencing the most rapid growth rate of any region of Florida. The State of Florida has responded to this growth by initiating and participating in many programs and policies to protect the natural resources of the coast, such as designation of special features (e.g., Aquatic Preserves and National Marine/Estuarine Sanctuaries) and formulation of growth management legislation and rules. An essential part of this protection and management effort is the acquisition of information on the existing resources. In spite of the largest land acquisition program of any state, Florida is rapidly losing unique natural resources through the development required to accommodate that growth. Many of these irreplaceable resources are being lost without prior knowledge of their existence.

The Florida Natural Areas Inventory was established in 1981 as a cooperative effort of the Department of Natural Resources and The Nature Conservancy, a national non-profit conservation organization dedicated to the preservation of natural diversity. The Conservancy has established similar cooperative ecological inventories in 47 other states over the past 15 years. An inventory is typically developed and operated by the Conservancy for several years and then turned over to the state government for continued operation. Funding for the first seven years of Florida's program has been provided primarily by the Conservation and Recreation Lands (CARL) Trust Fund as authorized by Ch. 253.023(4) Florida Statutes.

The Florida Natural Areas Inventory (FNAI) provides a continuous process for identifying important natural areas and making data available to decision makers involved in resource management. A standardized ranking procedure for determining degree of endangerment of species and natural communities allows efforts to be focused on those elements of biological diversity with the greatest need. Appendix A provides lists of FNAI Special Elements of biological diversity with their FNAI rank and Federal and State legal statuses. Information on the status and distribution of natural communities, rare and endangered species of plants and animals, bird rookeries, geological and other natural features is collected, processed and analyzed through an integrated data management system. Map files, manual files and computer files keep information organized and accessible. Data are indexed by several criteria, including location, natural community type, species name, endangerment status and land ownership. Appendix B contains examples of occurrence records for special plants, special animals, and natural communities. Source citations for all information processed are added to a computerized bibliography which is continuously updated. The inventory is a flexible system capable of producing information in a variety of formats to meet the needs of a broad spectrum of users.

The CARL-supported FNAI staff was not sufficient to acquire, process, and update the information needed for the rapidly developing coastal area. This Coastal Zone Management contract addressed this need by supporting additional staff (1 botanist/ecologist, 1 zoologist, one full-time and a half-time data handler, Appendix C), continuing the support provided by a previous CZM contract. Their efforts focused on acquiring and processing information on rare/endangered species and exemplary natural communities of coastal Florida, resulting in a more comprehensive

data base on Florida's coastal resources. Table 1 summarizes the number of occurrences of rare species and natural communities processed by coastal staff. As a result of work under both this contract and the 1987 contract, the total number of element occurrences in the FNAI database increased by 14 per cent. In addition, 5 percent of existing records were updated.

Table 1. Summary of data processed through this Coastal Zone Management contract.

	Special Plants	Special Animals	Natural Communities	Totals
Number of Occurrences:				
transcribed	311	179	133	623
mapped	317	110	138	565
quality-controlled	377	309	67	753
modified	157	114	66	337

Figure 1 illustrates the location of all computerized occurrence records currently in the FNAI data base. Additional products resulting from this contract are lists of rare/endangered species and exemplary natural communities records currently in the FNAI data base for each coastal county (Appendix E). More extensive information is available from the Florida Natural Areas Inventory's manual and computerized files.

Under this contract, the boundaries of all Aquatic Preserves for which such information was available were mapped onto FNAI's base maps. In addition to providing an index to all FNAI records for these areas, having the Aquatic Preserve boundaries on FNAI's base map will ensure that the effects of proposed actions on the Aquatic Preserves will be considered when responding to data requests. The remainder of the preserves will be mapped as information becomes available from the Bureau of Aquatic Preserves, Florida Department of Natural Resources. Computerized Managed Area Records were completed for each preserve and manual files were set up. Element occurrences mapped that were particularly pertinent to Aquatic Preserves include those for the West Indian manatee (*Trichechus manatus*) and Johnson's seagrass (*Halophila johnsonii*).

All data generated by the Coastal Management-supported staff were entered in FNAI's data base and are incorporated in replies to pertinent data requests. Data acquired and processed under the CZM grant will continue to be updated and made available for data request replies after the end of the grant period.

Coastal Botany/Ecology

During this contract, gathering and processing data on coastal plant species continued (Table 2), but equal emphasis was placed on the description and mapping of natural communities along the coast.

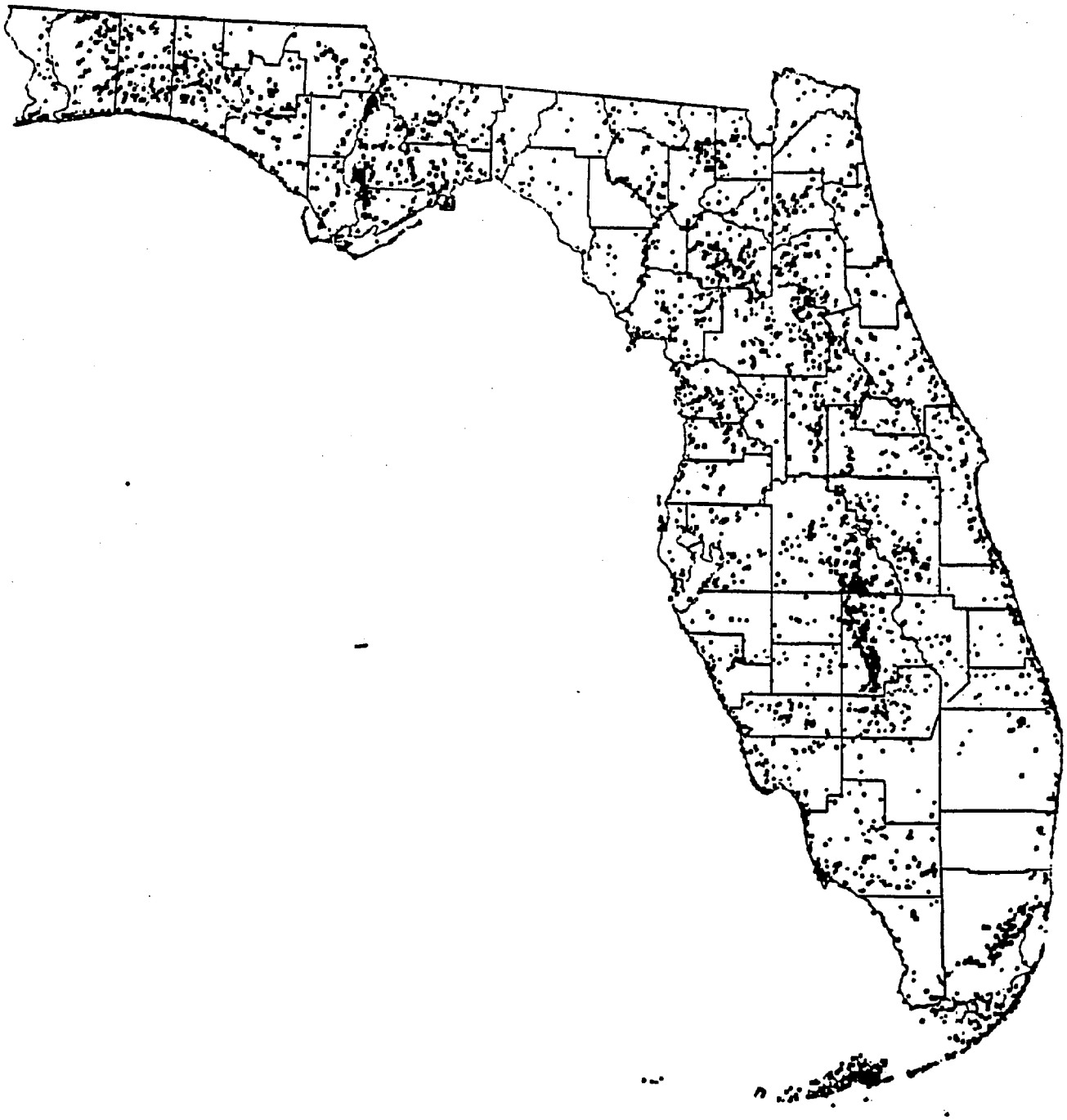

Figure 1. State-wide distribution of computerized occurrence records in the Florida Natural Areas Inventory data base (September 1988).

SUPPORT OF A DATA BASE FOR PROTECTION AND MANAGEMENT OF RARE/ENDANGERED SPECIES AND EXEMPLARY NATURAL COMMUNITIES OF COASTAL FLORIDA

Florida Natural Areas Inventory

Final Report for Department of Natural Resources Contract No. C5101

EXECUTIVE SUMMARY

The Florida Natural Areas Inventory (FNAI) was established in 1981 as a cooperative effort of the Department of Natural Resources and The Nature Conservancy, a national non-profit conservation organization dedicated to the preservation of natural diversity. The Conservancy has established similar cooperative ecological inventories in 47 other states over the past 15 years. An inventory is typically developed and operated by the Conservancy for several years and then turned over to the state government for continued operation. Funding for the first seven years of Florida's program has been provided primarily by the Conservation and Recreation Lands (CARL) Trust Fund as authorized by Ch. 253.023(4) Florida Statutes.

The FNAI provides a continuous process for identifying important natural areas and making data available to decision makers involved in resource management. A standardized ranking procedure for determining degree of endangerment of species and natural communities allows efforts to be focused on those elements of biological diversity with the greatest need. Information on the status and distribution of natural communities, rare and endangered species of plants and animals, bird rookeries, geological and other natural features is collected, processed and analyzed through an integrated data management system. Map files, manual files and computer files keep information organized and accessible. Data are indexed by several criteria, including location, natural community type, species name, endangerment status and land ownership. Source citations for all information processed are added to a computerized bibliography which is continuously updated. The inventory is a flexible system capable of producing information in a variety of formats to meet the needs of a broad spectrum of users.

The CARL-supported FNAI staff was not sufficient to acquire, process, and update the information needed for the rapidly developing coastal area. This Coastal Zone Management contract addressed this need by supporting additional staff, continuing the support provided by a previous CZM contract. Their efforts focused on acquiring and processing information on rare/endangered species and exemplary natural communities of coastal Florida, resulting in a more comprehensive data base on Florida's coastal resources. Under the present contract, coastal staff processed 623 element occurrences of rare species and natural communities including 311 special plants, 179 special animals, and 133 natural communities. The total number of element occurrences in the FNAI database has increased 14 percent due to the efforts of CZM-supported staff in 1987 and 1988.

While processing data on plant species continued, as under the 1987 contract, additional emphasis was placed during the current contract on mapping natural

communities along the coast. One new community (Coastal Grassland) was described and 137 occurrences of coastal communities were processed from staff field notes and surveys. Two highly endangered coastal species received intensive survey efforts, Curtiss' sandgrass (*Calamovilfa curtissii*) and four-petal pawpaw (*Asimina tetramera*). These surveys resulted in a range extension for the former and a significant increase in known sites and total abundance for the latter.

In addition to the numerous vertebrate occurrence records processed during this contract, large data sets for the following coastal elements were assembled for future processing: loggerhead turtle (*Caretta caretta*), piping plover (*Charadrius melodus*), least tern (*Sterna antillarum*), Key Largo woodrat (*Neotoma floridana smalli*), and beach mice (*Peromyscus* ssp). Data for the wide ranging occurrences of West Indian manatee (*Trichechus manatus*) have been transcribed and mapped, and the wintering areas data are being processed.

Under the current contract, the boundaries of all Aquatic Preserves for which such information was available were mapped onto FNAI's base maps, ensuring that the effects on Aquatic Preserves of nearby proposed action will be considered when responding to data requests. The remainder of the preserves will be mapped as information becomes available from the Bureau of Aquatic Preserves, Florida Department of Natural Resources. Computerized Managed Area Records were completed for each preserve and manual files were set up.

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TABLE 2: SPECIAL PLANTS ADDRESSED BY COASTAL ZONE MANAGEMENT SUPPORTED STAFF

GLOBAL RANK^	STATE RANK	FED STAT	STATE STAT	NAME	COMMON NAME
G5	S3	N	LE	ACROSTICHUM AUREUM	GOLDEN LEATHER FERN
G3	S3	3C	N	ANDROPOGON ARCTATUS	PINE-WOODS BLUESTEM
G3	S3	N	LE	ASCLEPIAS CURTISSII	CURTISS' MILKWEED
G1	S1	LE	LE	ASIMINA TETRAMERA	FOUR-PETAL PAWPAW
GU	SU	C2	N	++CANNA PERTUSA	TATTERED CANNA
G1G2	S1S2	C2	RE	CALAMOVILFA CURTISSII	CURTISS' SANDGRASS
G2?	S2	C2	RE	CAREX BALTZELLII	BALTZELL'S SEDGE
G2G3T1	S1	LE	LE	CEREUS ERIOPHORUS VAR FRAGRANS	FRAGRANT PRICKLY-APPLE
G2G3	S2S3	C2	LE	CEREUS GRACILIS	PRICKLY-APPLE
G2	S2	C2	N	CHAMAESYCE CUMULICOLA	SAND-DUNE SPURGE
G2?T2	S2	LE	LE	CHAMAESYCE DELTOIDEA SSP DELTOIDEA	DELTOID SPURGE
G2?T1	S1	C1	RE	CHAMAESYCE DELTOIDEA SSP SERPYLLUM	WEDGE SPURGE
G1	S1	LT	LE	CHAMAESYCE GARBERI	GARBER'S SPURGE
G?	S3	N	(LT)*	CHEILANTHES MICROPHYLLA	SOUTHERN LIP FERN
G1	S1	LE	LE	CHRYSOPSIS FLORIDANA	FLORIDA GOLDEN ASTER
G2	S2	N	N	CHRYSOPSIS GODFREYI	GODFREY'S GOLDEN ASTER
G3G5T2	S2	C1	LE	CHRYSOPSIS GOSSYPINA SSP CRUISEANA	CRUISE'S GOLDEN ASTER
G3G4	S3	N	LC	COCCOTHRINAX ARGENTATA	SILVER PALM
G3	S3	C2	N	COELORACHIS TUBERCULOSA	PIEDMONT JOINTGRASS
G3	S3	C2	RE	CONRADINA GRANDIFLORA	LARGE-FLOWERED ROSEMARY
G5	S2	N	N	CYNOGLOSSUM VIRGINIANUM	WILD COMPHREY
G?	S1	N	LE	CYRTOPODIUM PUNCTATUM	COW-HORNED ORCHID
G?	S1	N	LE	DENNSTAEDTIA BIPINNATA	HAY SCENTED FERN
G1	S1	N	N	+DICERANDRA CHRISTMANII	GARRETT'S SCRUB BALM
G1	S1	LE	LE	DICERANDRA CORNUTISSIMA	LONGSPURRED MINT
G4	S3?	N	N	DIRCA PALUSTRIS	EASTERN LEATHERWOOD
G2	S2	C2	LT	ERAGROSTIS TRACYI	SANIBEL LOVEGRASS
G4T3	S3	C2	LT	ERIOGONUM LONGIFOLIUM VAR GNAPHALIFOLIUM	SCRUB BUCKWHEAT
G4	S3	N	LT	ERNODEA LITTORALIS	BEACH-CREEPER
G1	S1	C2	RE	EUPHORBIA TELEPHIOIDES	TELEPHUS SPURGE
G2	S2	C2	RE	GLANDULARIA MARITIMA	COASTAL VERVAIN
G1	S1	C1	RE	GLANDULARIA TAMPENSIS	TAMPA VERVAIN
G4G5	S3?	N	LE	GOSSYPIUM HIRSUTUM	WILD COTTON
G4G5	S2	N	LE	GUAIACUM SANCTUM	LIGNUM-VITAE
G1G2	S1S2	N	N	+HALOPHILA JOHNSONII	JOHNSON'S SEAGRASS
G3G4	S3	N	N	HELIANTHEMUM ARENICOLA	GULF ROCKROSE
G5?T2	S2	C1	N	HELIANTHUS DEBILIS SSP VESTITUS	HAIRY BEACH SUNFLOWER
G1	S1	N	N	+HYMENOCALLIS HENRYAE	PANHANDLE SPIDERLILY
G2G4	S2S3	3C	N	HYMENOCALLIS LATIFOLIA	BROAD-LEAVED SPIDERLILY
G5T3	S3	3C	N	ILEX OPACA VAR ARENICOLA	SCRUB HOLLY
G4	S3	N	LT	JACQUINIA KEYENSIS	JOEWOOD
G3	S3	C2	RE	LECHEA CERNUA	NODDING PINWEED
G3G4	S3	3C	LT	LEITNERIA FLORIDANA	CORKWOOD
G2	S2	C2	LE	LIATRIS PROVINCIALIS	GODFREY'S BLAZING STAR
G4G5	S2	3C	LT	LITSEA AESTIVALIS	PONDSPICE
G2	S2	3C	LT	LUPINUS WESTIANUS	GULF COAST LUPINE
G1G3Q	S1	N	LE	ONCIDIUM BAHAMENSE	DANCING-LADY ORCHID
G5T3	S3	C2	LE	OXYPOLIS FILIFORMIS SSP GREENMANII	GIANT WATER-DROPWORT
G3G5T2	S2	3C	LT	PHYLLANTHUS LEIBMANNIANUS SSP PLATYLEPIS	PINE-WOOD DAINTIES
G3?	S2	C2	RE	PINGUICULA PLANIFOLIA	CHAPMAN'S BUTTERWORT
G2	S2	C1	LT	POLYGONELLA MACROPHYLLA	LARGE-LEAVED JOINTWEED
G3	S1S2	3C	N	QUERCUS ARKANSANA	ARKANSAS OAK
G3	S1	N	LE	REMIREA MARITIMA	BEACH-STAR
G3	S3	C2	N	RHYNCHOSIA CINEREA	BROWN-HAIRED SNOUTBEAN
G1	S1	N	N	RHYNCHOSPORA CRINIPES	HAIRY-PEDUNCLED BEAK-RUSH
G1	S1?	3C	N	RHYNCHOSPORA CULIXA	GEORGIA BEAK-RUSH
G1?	SU	C2	N	RHYNCHOSPORA PUNCTATA	PINELAND BEAK-RUSH
G3	S1	C2	LE	RUDBECKIA NITIDA	ST. JOHN'S-SUSAN
G3G5	S3	C2	LE	SARRACENIA LEUCOPHYLLA	WHITE-TOP PITCHER-PLANT
G3	S2	C2	LE	SARRACENIA RUBRA	SWEET PITCHER-PLANT
G4	S3	N	N	SOPHORA TOMENTOSA	NECKLACE POD
G4	S3	N	LT	TILLANDSIA FLEXUOSA	BANDED WILD-PINE
G3	S1	N	LE	TILLANDSIA PRUINOSA	FUZZY-WUZZY AIR-PLANT
G4	S3	N	LE	TOURNEFORTIA GNAPHALODES	SEA LAVENDER
G1	S1	C2	RE	ZIZIPHUS CELATA	

++ = Element deleted in 1988

* = Also ranked RE

\+ = Element added in 1988

^ = See Appendix A for rank and status explanations

Ranking was completed for four plant species which were added to the FNAI special plant list: Garrett's scrub balm (*Dicerandra christmanii* - G1/S1, critically imperiled in-state and globally; see Appendix A for further explanation of ranks), Florida yellowtop (*Flaveria floridana* - G3/S3), Johnson's seagrass (*Halophila johnsonii* - G1G2/S1S2), and Panhandle spider-lily (*Hymenocallis henryae* - G1/S1). The rank of beach sand-squares (*Paronychia erecta*) was changed from G3/S3 to G4/S4, based on further fieldwork. In addition, three species were identified as possibly requiring ranking and initial information was acquired on these: Florida lantana (*Lantana depressa* including varieties *floridana* and *sanibelensis*), poor man's patches (*Mentzelia floridana*), and dalea (*Dalea carthaginensis* var. *floridana*). These species will be ranked by FNAI as more information becomes available.

In regard to communities, 137 occurrences of 7 coastal communities (beach/dune, grassland, strand, scrub, hammock, marsh, and swamp) were mapped from personal field notes, surveys, and other sources (Table 3). One new community, coastal grassland, was described and ranked (G2/S2). The description of this type incorporated the FNAI community formerly called "overwash plain" but was broader in scope, including grasslands on stable beaches and in low-lying swales among the dunes, which are not necessarily connected with the process of overwash (Appendix C).

After it was discovered that lists of rare species present in state parks had, in some cases, been just potentially present, element occurrences in the FNAI database mapped in all coastal parks were reviewed as to source and the necessary modifications (involving some 60 element occurrences) made. The Division of Recreation and Parks of the Department of Natural Resources was informed of these changes.

Field surveys of all coastal communities were made on the western end of Shell Island, Tyndall Air Force Base, Bay County, and at Grayton Beach State Recreation Area, Walton County. A survey of flatwoods areas for *Calamovilfa curtissii* was made between Moultrie, St. John's County and Oak Hill, Volusia County, as well as on Merritt Island, Brevard County. In response to the ongoing development of known sites of the highly endangered four-petal pawpaw (*Asimina tetramera*), a survey team of four botanists (including the CZM botanist and 2 botanists contracted with CZM funds) was organized to search for the plants in scrubs of Martin and Palm Beach counties during its flowering period (May-August). All plants found were given numbered tags. A total of 770 plants were tagged, a 400% increase over the approximately 150 known plants known at the outset of the survey. Forty per cent of this total occurred on publicly owned land. The data from the survey was processed into the FNAI database and summaries were provided to the officials of the two counties involved, to the Jacksonville office of the U.S. Fish and Wildlife Service, and to the Florida Chapter of The Nature Conservancy.

In addition to being included in FNAI's responses to data requests for coastal information, the results of CZM coastal work were publicized in several other ways (Appendix F): via two papers given at scientific meetings (The Florida Native Plant Society meeting in Gainesville in May 1988 and the American Institute of Biological Sciences meeting in Davis, California in August 1988), via a short paper on the re-discovery of *Calamovilfa curtissii* on the Florida panhandle (accepted by the taxonomic journal, SIDA), and via interviews to reporters on the progress of the survey for the four-petal pawpaw in Martin and Palm Beach counties.

TABLE 3. NATURAL COMMUNITY DATA PROCESSED UNDER THIS CONTRACT.

Natural Community	New Rank	Old Rank	EOs Mapped or Modified	Source	Exemplary Areas Surveyed
1) Beach Dune	G2/S2	G3/S3	27	field notes 1985-6	Wabasso Beach (INDI), Deer Lake (WALT), Alligator Point (FRAN)
2) Coastal Grassland	G2/S2	G3/S3	15	field notes 1985-6	Shell Island & Crooked Island (BAY), Cape St. George (FRAN), Sea Oat Island (COLL)
3) Coastal Strand	G2/S2	G3/S3	20		
a) tropical			(10)	The Conservancy, Inc. Collier County	
b) temperate-panhandle			(9)	field notes 1985-6	Perdido Key (ESCA)
c) temperate-peninsula			(1)	field notes 1985-6	Guana River State Park (STJO)
4) Maritime Hammock	G2/S2	G3/S3	37		
a) temperate			(11)	field notes 1985-6	Ft. Clinch State Park (NASS)
b) tropical			(26)	The Conservancy, Inc. Collier County	Cannon Island (COLL)
5) Scrub	G2/S2	G2/S2	30		
a) oak scrub			(7)	field notes 1985-6	Henderson Beach SRA (OKAL)
b) rosemary scrub			(7)	field notes 1985-6	St. Michael's Landing (BAY)
c) sand pine scrub			(16)	4-petal pawpaw survey site reports	Hobe Sound NWR (MART)
6) Tidal Marsh			5	Hine & Belknap, 1986[1]	
7) Tidal Swamp			3	Hine & Belknap, 1986	
		Total	137		

1 Hine, A.C. and D.F. Belknap. 1986. Recent geol. history and modern sedimentary processes of the Pasco Coastline: West-Central Florida. Rept. No. 79, Florida Sea Grant College, Gainesville.

Coastal Zoology

Field surveys for rare vertebrates are often time-consuming and produce small amounts of data relative to cost; therefore, coastal zoology efforts concentrated on obtaining and processing existing element occurrence information from research biologists, literature reviews and museum repository sheets. However, limited field surveys were conducted this past year by the coastal zoologist on Gulf Coast peninsulas and islands for winter occurrences of snowy plovers (*Charadrius alexandrinus*) and piping plovers (*C. melodus*). Table 4 lists animal species addressed during the contract period.

Personnel representing many state and federal agencies, universities, non-profit research organizations, environmental consultants, and private individuals were contacted for information on coastal element occurrences on public and private lands. Examples of contacts made this year include:

Federal - U.S. Fish and Wildlife Service (Office of Endangered Species and National Wildlife Refuges)
National Zoological Park
Eglin Air Force Base

State - Florida Game and Fresh Water Fish Commission (Nongame Program, Endangered Species Coordinator, and Office of Environmental Services)
Department of Natural Resources
Florida State Museum
Department of Environmental Regulation (Coastal Zone Management)

Universities -
University of Florida
Auburn University

Private Organizations -
Coastal Plains Institute
Florida Audubon Society
Florida Nature Conservancy
Florida Power Corporation
National Audubon Society (Rookery Bay Sanctuary)

Element files are continuously updated with many items, including information from the Endangered Species Technical Bulletin and Florida Game and Fresh Water Fish Commission's endangered and threatened species list. Element ranking forms are also revised as needed. This year ranking forms for all 92 special animals identified in the CZM proposal were reviewed, four of which were modified and six of which are under consideration for modification.

In addition to the numerous occurrence records processed during this contract, large data sets for the following coastal elements were assembled for future processing: loggerhead turtle (*Caretta caretta*), piping plover (*Charadrius*

TABLE 4: SPECIAL VERTEBRATES ADDRESSED BY COASTAL ZONE MANAGEMENT SUPPORTED STAFF

GLOBAL RANK^	STATE RANK	FED STAT	STATE STAT	NAME	COMMON NAME
** FISHES					
G3	S2	C2	LS	ACIPENSER OXYRHYNCHUS	ATLANTIC STURGEON
G3	S3	N	N	ICTALURUS SERRANCANTHUS	SPOTTED BULLHEAD
G2	S1	N	LS	MICROPTERUS SP 1	SHOAL BASS
G1	S1	C2	LE	NOTROPIS SP 2	BLACKMOUTH SHINER
G5	S3	N	N	UMBRA PYGMAEA	EASTERN MUDMINNOW
** AMPHIBIANS					
G4	S3?	C2	N	+AMBYSTOMA CINGULATUM	FLATWOODS SALAMANDER
G3	S3	N	N	AMPHIUMA PHOLETER	ONE-TOED AMPHIUMA
G2	S2	C2	LS	HAIDEOTRITON WALLACEI	GEORGIA BLIND SALAMANDER
G4	S3	AC	LS	HYLA ANDERSONI	PINE BARRENS TREEFROG
G2	S2	N	LS	RANA OKALOOSAE	FLORIDA GOPHER FROG
** REPTILES					
G5	S2	N	N	AGKISTRODON CONTORTRIX	COPPERHEAD
G5	S4	LTSA	LS	ALLIGATOR MISSISSIPPIENSIS	AMERICAN ALLIGATOR
G3	S2	LT	LT	CARETTA CARETTA	LOGGERHEAD
G3	S2	LE	LE	CHELONIA MYDAS	GREEN TURTLE
G5	S3?	N	N	CLEMMYS GUTTATA	SPOTTED TURTLE
G2?	S1	LE	LE	CROCODYLUS ACUTUS	AMERICAN CROCODILE
G5	S3	N	N	CROTALUS HORRIDUS	CANEBRAKE RATTLESNAKE
G3	S2	LE	LE	DERMOCHELYS CORIACEA	LEATHERBACK TURTLE
G5T1	S1	C2	LT	DIADOPHIS PUNCTATUS ACRICUS	KEY RINGNECK SNAKE
G4T3	S3	LT	LT	DRYMARCHON CORAIS COUPERI	EASTERN INDIGO SNAKE
G5T2Q	S2	N	LS	ELAPHE GUTTATA POP 1	LOWER KEYS RED RAT SNAKE
G4?T2	S2	C2	LS	EUMECES EGREGIUS EGREGIUS	FLORIDA KEYS MOLE SKINK
G4?T2	S2	LT	LT	EUMECES EGREGIUS LIVIDUS	BLUE-TAILED MOLE SKINK
G2	S2	C2	LS	GOPHERUS POLYPHEMUS	GOPHER TORTOISE
G5T2Q	S2	C2	LE	KINOSTERNON BAURII POP 1	KEY MUD TURTLE
G5T2	S2	N	N	LAMPROPELTIS GETULUS GOINI	APALACHICOLA KINGSNAKE
G3?	S3?	C2	LS	MACROCLEMYS TEMMINCKII	ALLIGATOR SNAPPING TURTLE
G5T2?	S2?	N	N	MALACLEMYS TERRAPIN RHIZOPHORARUM	MANGROVE TERRAPIN
G2	S2	LT	LT	NEOSEPS REYNOLDSI	SAND SKINK
G5T3	S3?	N	N	NERODIA FASCIATA CLARKII	GULF SALT MARSH SNAKE
G5T3?	S?	C2	LS	PITUOPHIS MELANOLEUCAS MUGITUS	FLORIDA PINE SNAKE
G3	S3	C2	N	SCELOPORUS WOODI	FLORIDA SCRUB LIZARD
G3	S3	C2	LT	STILOSOMA EXTENUATUM	SHORT-TAILED SNAKE
G5T1Q	S1	N	LT	STORERIA DEKAYI POP 1	LOWER KEYS BROWN SNAKE
G1G2Q	S1S2	C2	LT	TANTILLA OOLITICA	RIM ROCK CROWNED SNAKE
G5T1Q	S1	N	LT	THAMNOPHIS SAURITUS POP 1	LOWER KEYS RIBBON SNAKE
** BIRDS					
G4T2	S2	C2	LS	AMMODRAMUS MARITIMUS JUNCICOLUS	WAKULLA SEASIDE SPARROW
G4T2Q	S2?	C2	N	AMMODRAMUS MARITIMUS PELONOTUS	SMYRNA SEASIDE SPARROW
G5T3	S3	LT	LT	APHELOCOMA COERULESCENS COERULESCENS	FLORIDA SCRUB JAY
G5T3	S3	N	LS	ATHENE CUNICULARIA FLORIDANA	FLORIDA BURROWING OWL
G5	S4	N	N	CASMERODIUS ALBUS	GREAT EGRET
G4?	S2	C2	LT	CHARADRIUS ALEXANDRINUS	SNOWY PLOVER
G2	S2	LT	LT	CHARADRIUS MELODUS	PIPING PLOVER
G3	S2	C2	LT	COLUMBA LEUCOCEPHALA	WHITE-CROWNED PIGEON
G5	S4	N	LS	EGRETTA CAERULEA	LITTLE BLUE HERON
G4	S2	C2	LS	EGRETTA RUFESCENS	REDDISH EGRET
G5	S4	N	LS	EGRETTA THULA	SNOWY EGRET
G5	S4	N	LS	EGRETTA TRICOLOR	TRICOLORED HERON
G5	S4	N	N	EUDOCIMUS ALBUS	WHITE IBIS
G4	SU	N	N	FALCO COLUMBARIUS	MERLIN
G3	S2	LT	LE	FALCO PEREGRINUS	PEREGRINE FALCON

TABLE 4: SPECIAL VERTEBRATES ADDRESSED BY COASTAL ZONE MANAGEMENT SUPPORTED STAFF (continued)

GLOBAL RANK	STATE RANK	FED STAT	STATE STAT	NAME	COMMON NAME
** BIRDS (cont.)					
G5T3T4	S3?	C2	LT	FALCO SPARVERIUS PAULUS	SOUTHEASTERN AMERICAN KESTREL
G5T2T3	S2S3	N	LT	GRUS CANADENSIS PRATENSIS	FLORIDA SANDHILL CRANE
G5	S3	N	LS	HAEMATOPUS PALLIATUS	AMERICAN OYSTERCATCHER
G3	S2S3	LE	LT	HALIAEETUS LEUCOCEPHALUS	BALD EAGLE
G5	S1	N	N	HELMITHEROS VERMIVORUS	WORM-EATING WARBLER
G5	S2	LE	LE	MYCTERIA AMERICANA	WOOD STORK
G5	S3S4	N	LS*	PANDION HALIAETUS	OSPREY
G5	S3	AC	LS	PELECANUS OCCIDENTALIS	BROWN PELICAN
G2	S2	LE	LT	PICOIDES BOREALIS	RED-COCKADED WOODPECKER
G5	S2	LT	LT	POLYBORUS PLANCUS	CRESTED CARACARA
G5T3	S3	C2	N	RALLUS LONGIROSTRIS INSULARUM	MANGROVE CLAPPER RAIL
G5	S3	N	N	RYNCHOPS NIGER	BLACK SKIMMER
G5	S3	N	N	SETOPHAGA RUTICILLA	AMERICAN REDSTART
G4	S3	N	LT	STERNA ANTILLARUM	LEAST TERN
G5	S2?	N	N	STERNA CASPIA	CASPIAN TERN
G3	S1	LT	LT	STERNA DOUGALLII	ROSEATE TERN
G5	S3	N	N	STERNA MAXIMA	ROYAL TERN
G5	S3	N	N	VIREO ALTILOQUUS	BLACK-WHISKERED VIREO
G5T1	S1	3A	LE	PEROMYSCUS POLIONOTUS DECOLORATUS	PALLID BEACH MOUSE
G5T1	S1	C2	N	+PEROMYSCUS POLIONOTUS NIVIEVENTRIS	SOUTHEASTERN BEACH MOUSE
G5T1	S1	LE	LE	PEROMYSCUS POLIONOTUS TRISSYLLEPSIS	PERDIDO KEY BEACH MOUSE
G3	S3	C2	LS	PODOMYS FLORIDANUS	FLORIDA MOUSE
G5T2	S2	C2	LS	SCIURUS NIGER SHERMANI	SHERMAN'S FOX SQUIRREL
G5T2	S2	C2	N	+SYLVILAGUS PALUSTRIS HEFNERI	LOWER KEYS RABBIT
G2?	S2?	LE	LE	TRICHECHUS MANATUS	WEST INDIAN MANATEE
G5T3	S3	C2	LT*	URSUS AMERICANUS FLORIDANUS	FLORIDA BLACK BEAR
** MAMMALS					
G4T1	S1	LE	LE	FELIS CONCOLOR CORYI	FLORIDA PANTHER
G2	S1	LE	LE	MYOTIS GRISESCENS	GRAY BAT
G5T1	S1	LE	LE	NEOTOMA FLORIDANA SMALLI	KEY LARGO WOODRAT
G5T1	S1	LE	LE	ODOCOILEUS VIRGINIANUS CLAVIUM	KEY DEER
G5T1	S1	LE	LE	PEROMYSCUS GOSSYPINUS ALLAPATICOLA	KEY LARGO COTTON MOUSE
G5T1	S1	LE	LE	PEROMYSCUS POLIONOTUS ALLOPHRYS	CHOCTAWHATCHEE BEACH MOUSE

* = Applicable in Monroe County only

* = Not applicable in Baker and Columbia counties and Apalachicola National Forest

+ = Element added in 1987

^ = See Appendix A for rank and status explanations

melodus), least tern (*Sterna antillarum*), Key Largo woodrat (*Neotoma floridana smalli*), and beach mice (*Peromyscus* ssp). Data for the wide ranging occurrences of West Indian manatee (*Trichechus manatus*) have been transcribed and mapped, and the wintering areas data are being processed.

Information concerning coastal vertebrates was requested by the United States Army Corps of Engineers (Dunedin Pass and Wiggins Pass dredging projects) and the Florida Department of Natural Resources (Lake Jackson). Responses to other requests processed by FNAI included coastal zoology data.

List of Appendices

A. FNAI element lists with element rank explanations.

B. Explanation and examples of Element Occurrence Records.

C. Community Characterization Abstract for Coastal Grassland.

D. Coastal Zone Management-supported FNAI staff.

E. Summary of FNAI computerized occurrence records of species and natural communities for coastal counties of Florida.

F. Publication resulting from CZM work in 1988.

Appendix A. FNAI element lists with element rank explanations.

FLORIDA NATURAL AREAS INVENTORY

Element Rank Explanations

An element is any exemplary or rare component of the natural environment, such as a species, plant community, bird rookery, spring, sinkhole, cave, or other ecological feature. An element occurrence (EO) is a single extant habitat which 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 2 ranks for each element. The global element rank is based on a 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 (EOs), estimated abundance (number of individuals for species; area for natural communities), range, estimated adequately protected EOs, relative threat of destruction, and ecological fragility.

Global Element Rank (priority)

- **G1** = Critically imperiled globally because of extreme rarity (5 or fewer occurrences or less than 1000 individuals) or because of extreme vulnerability to extinction due to some natural or man-made factor.
- **G2** = Imperiled globally because of rarity (6 to 20 occurrences or less than 3000 individuals) or because of vulnerability to extinction due to some biological 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 because of other factors.
- **G4** = apparently secure globally (may be rare in parts of range)
- **G5** = demonstrably secure globally
- **GH** = of historical occurrence throughout range, may be rediscovered (e.g., ivory-billed woodpecker)
- **GX** = believed to be extinct throughout range
- **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 taxonomic subgroup such as subspecies or variety; 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)

State Element Rank (priority)

Definition parallels global element rank: substitute "S" for "G" in above global ranks, and "in state" 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 state; may be native elsewhere in North

FEDERAL/STATE LEGAL STATUS

FEDERAL

- **LE** = Listed as Endangered Species in the List of Endangered and Threatened Wildlife and Plants under the provisions of the Endangered Species Act. An "Endangered Species" is 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. A "Threatened Species" is 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 U.S. Fish and Wildlife Service 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 U.S. Fish and Wildlife Service 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** = Candidate Species, Category 3A. Taxa which are no longer being considered for listing as endangered or threatened because of persuasive evidence of extinction.
- **3B** = Candidate Species, 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** = Candidate Species, 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 U.S. Fish and Wildlife Service.
- **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

Animals

LE - Listed as Endangered Species by the Florida Game and Fresh Water Fish Commission. An Endangered Species is defined as a species, subspecies, or isolated population which is resident in Florida during a substantial portion of its life cycle and so few 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 unless it or its habitat are fully protected and managed in such a way as to enhance its survival potential; or migratory or occasional in Florida and included as endangered on the United States Endangered and Threatened Species List. This definition does not include species occurring peripherally in Florida while common or under no threat outside the State.

LT - Listed as Threatened Species by the Florida Game and Fresh Water Fish Commission. A Threatened Species is defined as a species, subspecies, or isolated population which is resident in Florida during a substantial portion of its life cycle and which is acutely vulnerable to environmental alteration declining in number at a rapid rate, or whose range or habitat is declining in area at a rapid rate due to any man-made or natural factors and as a consequence is destined or very likely to become and endangered species within the foreseeable and predictable future unless appropriate protective measures or management techniques are initiated or maintained; or migratory or occasional in Florida and included as threatened on the United States Endangered and Threatened Species List. This definition does not include species occurring peripherally in Florida while common or under no threat outside the State.

LS - Listed as Species of Special Concern by the Florida Game and Fresh Water Fish Commission. A Species of Special Concern is defined as a species, subspecies, or isolated population which warrants special protection, recognition, or consideration because it occurs disjunctly or continuously in Florida and has a unique and significant vulnerability to habitat modification, environmental alteration, human disturbance, or substantial human exploitation which, in the foreseeable and predictable future, may result in its becoming a threatened species unless appropriate protective or management techniques are initiated or maintained; may already meet certain criteria for consideration as a threatened species but for which conclusive data are limited or lacking; may occupy such an unusually vital and essential ecological niche that should it decline significantly in numbers or distribution other species would be adversely affected to a significant degree; or has not sufficiently recovered from past population depletion.

N - Not currently listed, nor currently being considered for listing.

Plants

LE - Listed as Endangered Plants in the Preservation of Native Flora of Florida Act. "Endangered Plants" means 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 Florida Department of Agriculture as Endangered Plants.

LT - Listed as Threatened Plants in the Preservation of Native Flora of Florida Act. "Threatened plants" means 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 Florida Department of Agriculture for listing as Threatened Plants.

CE - Listed as a Commercially Exploited Plant in the Preservation of Native Flora of Florida Act. "Commercially Exploited Plants" means species native to the state which are subject to being removed in significant numbers form native habitats in the state and sold or transported for sale.

PC - Proposed by the Florida Department of Agriculture for listing as Commercially Exploited Plants.

(LT) - Listed threatened as a member of a larger group but not specifically listed by species name.

RE - Recommended by the Endangered Plant Advisory Council for inclusion as endangered.

RT - Recommended by the Endangered Plant Advisory Council for inclusion as threatened.

N - Not currently listed, nor currently being considered for listing.

FLORIDA NATURAL AREAS INVENTORY

SPECIAL PLANTS LIST

GLOBAL RANK	STATE RANK	FED STAT	STATE STAT	NAME	COMMON NAME
G5	S3	N	LE	ACROSTICHUM AUREUM	GOLDEN LEATHER FERN
G5	S1	N	LT	ACTAEA PACHYPODA	WHITE BANEBERRY
G?	S1	C2	LE	ACTINOSTACHYS PENNULA	RAY FERN
G5	S3S4	N	(LT)	ADIANTUM CAPILLUS-VENERIS	SOUTHERN MAIDENHAIR FERN
G?	S1	N	LE	ADIANTUM MELANOLEUCUM	FRAGRANT MAIDENHAIR FERN
G?	S3	N	(LT)	ADIANTUM TENERUM	BRITTLE MAIDENHAIR FERN
G?	S3	N	(LT)	ADIANTUM TETRAPHYLLUM	FOUR-LEAVED MAIDENHAIR FERN
G3	S2	C2	N	AGRIMONIA INCISA	INCISED GROOVE-BUR
G1	S1	LE	LE	AMORPHA CRENULATA	CRENULATE LEAD-PLANT
G3G4	S2	N	N	AMYRIS BALSAMIFERA	BALSAM TORCHWOOD
G3	S3	3C	N	ANDROPOGON ARCTATUS	PINE-WOODS BLUESTEM
G?	S2S3	N	N	ANEMIA WRIGHTII	WRIGHT'S ANEMIA
G3G5Q	S2	N	N	ANEMONE BERLANDIERI	TEXAS ANEMONE
G5	S1	N	LT	ANEMONELLA THALICTROIDES	RUE-ANEMONE
G5T1	S1	C2	LE	AQUILEGIA CANADENSIS VAR AUSTRALIS	MARIANNA COLUMBINE
G2	S2	C2	RE	ARGYTHAMNIA BLODGETTII	BLODGETT'S WILD-MERCURY
G?Q	SE?	C1	LE	ARISTIDA FLORIDANA	KEYS WIRE-GRASS
G2	S1	C2	N	ARISTIDA SIMPLICIFLORA	SOUTHERN THREE-AWNED GRASS
G3	S3	N	LE	ASCLEPIAS CURTISSII	CURTISS' MILKWEED
G2	S2	C2	LT	ASCLEPIAS VIRIDULA	SOUTHERN MILKWEED
G1	S1	LE	LE	ASIMINA TETRAMERA	FOUR-PETAL PAWPAW
G?	S2	N	LE	ASPLENIUM AURITUM	AURICLED SPLEENWORT
G?	S1S2	N	(LT)	ASPLENIUM DENTATUM	SLENDER SPLEENWORT
G2	S1S2	C2	(LT)	ASPLENIUM HETERORESILIENS	WAGNER'S SPLEENWORT
G4	S1	N	LE	ASPLENIUM MONANTHES	SINGLE-SORUS SPLEENWORT
GU	SU	C2	(LT)	ASPLENIUM PLENUM	
G?	S1	N	LE	ASPLENIUM PUMILUM	DWARF SPLEENWORT
G?	S1	N	LE	ASPLENIUM SERRATUM	BIRD'S NEST SPLEENWORT
G2Q	S2	3B	N	ASTER PLUMOSUS	PLUMOSE ASTER
G1	S1	C2	LT	ASTER SPINULOSUS	PINE-WOODS ASTER
G5?TU	S1S3	N	N	ASTER VIMINEUS VAR VIMINEUS	APALACHICOLA RIVER ASTER
G2Q	S2	C2	LT	BAPTISIA HIRSUTA	HAIRY WILD INDIGO
G3	S2	3C	LT	BAPTISIA MEGACARPA	APALACHICOLA WILD INDIGO
G2G3	S2S3	C2	LT	BAPTISIA SIMPLICIFOLIA	SCARE-WEED
G5	S1	N	LE	BLECHNUM OCCIDENTALE	SINKHOLE FERN
G3	S3	LT	LE	BONAMIA GRANDIFLORA	FLORIDA BONAMIA
G4G5	S1	N	(LT)	BOTRYCHIUM LUNARIOIDES	WINTER GRAPE-FERN
G?	S1	N	RE	BOURRERIA CASSINIFOLIA	LITTLE STRONGBARK
G2G3	S1	N	N	BOURRERIA RADULA	ROUGH STRONGBARK
GU	SH	C2	(LT)	BRASSIA CAUDATA	SPIDER ORCHID
G2G3	S2	C2	LT	BRICKELLIA CORDIFOLIA	FLYR'S BRICKELL-BUSH
G1G2	S1S2	C2	RE	BRICKELLIA MOSIERI	FLORIDA THOROUGHWORT BRICKELL-BUSH
G3?	S1	N	LE	BULBOPHYLLUM PACHYRRACHIS	RAT-TAIL ORCHID
G5	S2	N	LT	BUMELIA LYCIOIDES	BUCKTHORN
G?	S1	N	LE	BURMANNIA FLAVA	FAKAHATCHEE BURMANNIA
G2	S2	C2	LT	CACALIA DIVERSIFOLIA	VARIABLE-LEAVED INDIAN-PLANTAIN
G3	S3	C1	LT	CALAMINTHA ASHEI	ASHE'S SAVORY
G3	S3	C2	N	CALAMINTHA DENTATA	TOOTHED SAVORY
G1G2	S1S2	C2	RE	CALAMOVILFA CURTISSII	CURTISS' SANDGRASS
G3G5	S2	N	LT	CALLIRHOE PAPAVER	WOODS POPPY-MALLOW
G1	S1	PE	LE	CAMPANULA ROBINSIAE	BROOKSVILLE BELLFLOWER
G?	S1	N	LE	CAMPYLOCENTRUM PACHYRRHIZUM	LEAFLESS ORCHID
G?	S1	N	LE	CAMPYLONEURUM ANGUSTIFOLIUM	NARROW-LEAVED STRAP FERN
G?	S2	N	(LT)	CAMPYLONEURUM COSTATUM	TAILED STRAP FERN
G2?	S2	C2	RE	CAREX BALTZELLII	BALTZELL'S SEDGE
G3?	S2	C2	N	CAREX CHAPMANII	CHAPMAN'S SEDGE
G2	S2	C1	LERT	CASSIA KEYENSIS	BIG PINE PARTRIDGE PEA
G2G3	S1	N	LE	CATESBAEA PARVIFLORA	SMALL-FLOWERED LILY-THORN
G4	S1S2	N	LE	CATOPSIS BERTERONIANA	POWDERY CATOPSIS
G2G3	S1	N	(LT)	CATOPSIS NUTANS	NODDING CATOPSIS
G?	S1	N	LE	CELTIS IGUANAEA	IGUANA HACKBERRY
G?	S1	N	LE	CELTIS PALLIDA	SPINY HACKBERRY

FLORIDA NATURAL AREAS INVENTORY

SPECIAL PLANTS LIST

GLOBAL RANK	STATE RANK	FED STAT	STATE STAT	NAME	COMMON NAME
G2?	S1S3	3C	N	CENTROSEMA ARENICOLA	SAND BUTTERFLY PEA
G2G3T1	S1	LE	LE	CEREUS ERIOPHORUS VAR FRAGRANS	FRAGRANT PRICKLY-APPLE
G2G3	S2S3	C2	LE	CEREUS GRACILIS	PRICKLY-APPLE
G1	S1	LE	LE	CEREUS ROBINII	KEY TREE-CACTUS
G2	S2	C2	N	CHAMAESYCE CUMULICOLA	SAND-DUNE SPURGE
G2?T2	S2	LE	LE	CHAMAESYCE DELTOIDEA SSP DELTOIDEA	DELTOID SPURGE
G2?T1	S1	C1	RE	CHAMAESYCE DELTOIDEA SSP SERPYLLUM	WEDGE SPURGE
G1	S1	LT	LE	CHAMAESYCE GARBERI	GARBER'S SPURGE
G2T1	S1	C1	RE	CHAMAESYCE PORTERIANA VAR KEYENSIS	PORTER'S HAIRY-PODDED SPURGE
G2T2	S2	C1	RE	CHAMAESYCE PORTERIANA VAR PORTERIANA	PORTER'S BROAD-LEAVED SPURGE
G2T2	S2	C1	RE	CHAMAESYCE PORTERIANA VAR SCOPARIA	PORTER'S BROOM SPURGE
G?	S3	N	(LT)*	CHEILANTHES MICROPHYLLA	SOUTHERN LIP FERN
G2	S2	LE	LE	CHIONANTHUS PYGMAEUS	PYGMY FRINGE-TREE
G1	S1	LE	LE	CHRYSOPSIS FLORIDANA	FLORIDA GOLDEN ASTER
G2	S2	N	N	CHRYSOPSIS GODFREYI	GODFREY'S GOLDEN ASTER
G3G5T2	S2	C1	LE	CHRYSOPSIS GOSSYPINA SSP CRUISEANA	CRUISE'S GOLDEN ASTER
G4G5	S3?	N	N	CLEMATIS CATESBYANA	A VIRGIN'S BOWER
G3	S3	C1	LT	CLITORIA FRAGRANS	PIGEON-WING
G3G4	S3	N	LC	COCCOTHRINAX ARGENTATA	SILVER PALM
G3	S3	C2	N	COELORACHIS TUBERCULOSA	PIEDMONT JOINTGRASS
G?	S1S2	N	N	COLUBRINA CUBENSIS	CUBAN SNAKE-BARK
G1G2Q	S1S2	C1	LT	COMMELINA GIGAS	CLIMBING DAYFLOWER
G2	S2	C2	N	CONRADINA BREVIFOLIA	SHORT-LEAVED ROSEMARY
G1	S1	C2	LT	CONRADINA GLABRA	APALACHICOLA ROSEMARY
G3	S3	C2	RE	CONRADINA GRANDIFLORA	LARGE-FLOWERED ROSEMARY
G3G5	S2S3	N	LE	CORDIA SEBESTENA	GEIGER TREE
G5	S2	N	LT	CORNUS ALTERNIFOLIA	ALTERNATE-LEAF DOGWOOD
G2G3	S2	C2	LE	CROOMIA PAUCIFLORA	CROOMIA
G?	S2	N	N	CROSSOPETALUM ILICIFOLIUM	CHRISTMAS BERRY
G2G3	S2S3	C2	N	CROTON ELLIOTTII	ELLIOTT'S CROTON
G5	S2S3	N	LT	CRYPTOTAENIA CANADENSIS	CANADA HONEWORT
G2Q	S2	3C	N	CTENIUM FLORIDANUM	FLORIDA TOOTHACHE GRASS
G1	S1	C2	LE	CUCURBITA OKEECHOBEENSIS	OKEECHOBEE GOURD
G?	S1	N	LE	CUPANIA GLABRA	CUPANIA
G2?	S2	C2	N	CUPHEA ASPERA	TROPICAL WAXWEED
G5	S2	N	N	CYNOGLOSSUM VIRGINIANUM	WILD COMPHREY
G?	S1	N	LE	CYRTOPODIUM PUNCTATUM	COW-HORNED ORCHID
G1	S1	LE	LE	DEERINGOTHAMNUS PULCHELLUS	BEAUTIFUL PAWPAW
G1	S1	LE	LE	DEERINGOTHAMNUS RUGELII	RUGEL'S PAWPAW
G?	S1	N	LE	DENNSTAEDTIA BIPINNATA	HAY SCENTED FERN
G1	S1	N	N	DICERANDRA CHRISTMANII	GARRETT'S SCRUB BALM
G1	S1	LE	LE	DICERANDRA CORNUTISSIMA	LONGSPURRED MINT
G1	S1	LE	LE	DICERANDRA FRUTESCENS	SCRUB MINT
G1	S1	LE	LE	DICERANDRA IMMACULATA	LAKELA'S MINT
G?	S2	N	N	DICHROMENA FLORIDENSIS	FLORIDA WHITE-TOP SEDGE
G1?	S1	C2	N	DIGITARIA FLORIDANA	FLORIDA CRABGRASS
G1?	S1	C2	N	DIGITARIA GRACILLIMA	LONGLEAF CRABGRASS
G1?	S1	C2	N	DIGITARIA PAUCIFLORA	FEW-FLOWERED CRABGRASS
G4	S3?	N	N	DIRCA PALUSTRIS	EASTERN LEATHERWOOD
G5	S3	N	LT	DROSERA INTERMEDIA	SPOON-LEAVED SUNDEW
G5	SH	N	N	ELEOCHARIS ROSTELLATA	BEAKED SPIKERUSH
G?	S1	N	LE	ELTROPLECTRIS CALCARATA	
G2G4T2	S2	C2	N	ELYTRARIA CAROLINIENSIS VAR ANGUSTIFOLIA	NARROW-LEAVED CAROLINA SCALYSTEM
G3T1	S1	C2	LE	ENCYCLIA BOOTHIANA VAR ERYTHRONIOIDES	DOLLAR ORCHID
G4G5	S1	N	LE	ENCYCLIA PYGMAEA	DWARF ENCYCLIA
G3G4	S1	N	LE	EPIDENDRUM ACUNAE	ACUNA'S EPIDENDRUM
G?	S2	N	(LT)	EPIDENDRUM NOCTURNUM	NIGHT-SCENTED ORCHID
G5	S2	N	LE	EPIGAEA REPENS	TRAILING ARBUTUS
G2	S2	C2	LT	ERAGROSTIS TRACYI	SANIBEL LOVEGRASS

FLORIDA NATURAL AREAS INVENTORY

SPECIAL PLANTS LIST

GLOBAL RANK	STATE RANK	FED STAT	STATE STAT	NAME	COMMON NAME
G2?T2Q	S1S2	C2	N	ERIOCHLOA MICHAUXII VAR SIMPSONII	A CUPGRASS
G4T3	S3	C2	LT	ERIOGONUM LONGIFOLIUM VAR GNAPHALIFOLIUM	SCRUB BUCKWHEAT
G4	S3	N	LT	ERNODEA LITTORALIS	BEACH-CREEPER
G1	S1	LE	LE	ERYNGIUM CUNEIFOLIUM	WEDGE-LEAVED BUTTON-SNAKEROOTS
G3G5	S2	N	LT	ERYTHRONIUM UMBILICATUM	TROUT LILY
G4G5	S3S4	N	LT	EUGENIA CONFUSA	TROPICAL IRONWOOD
G?	S1	N	LE	EUGENIA RHOMBEA	RED STOPPER
G5	S2	N	N	EUONYMUS ATROPURPUREUS	BURNINGBUSH
G4	S2?	N	N	EUPHORBIA COMMUTATA	WOOD SPURGE
G1	S1	C2	RE	EUPHORBIA TELEPHIOIDES	TELEPHUS SPURGE
G2T2	S2	C1	N	FORESTIERA SEGREGATA VAR PINETORUM	FLORIDA PINEWOOD PRIVET
G2	S2	C2	N	GALACTIA PINETORUM	PINELAND MILK-PEA
G1	S1	LE	LE	GALACTIA SMALLII	SMALL'S MILKPEA
G2?	S2	3C	LE	GENTIANA PENNELLIANA	WIREGRASS GENTIAN
G2	S2	C2	RE	GLANDULARIA MARITIMA	COASTAL VERVAIN
G1	S1	C1	RE	GLANDULARIA TAMPENSIS	TAMPA VERVAIN
G5	S2	N	(LT)	GOODYERA PUBESCENS	DOWNY RATTLESNAKE PLANTAIN
G4G5	S3?	N	LE	GOSSYPIUM HIRSUTUM	WILD COTTON
G4G5	S2	N	LE	GUAIACUM SANCTUM	LIGNUM-VITAE
G4G5	S1S2	N	LE	GUZMANIA MONOSTACHYA	FUCH'S BROMELIAD
GH	S2	C2	N	GYMNOPOGON FLORIDANUS	FLORIDA BEARDGRASS
G1G2	S1S2	N	N	HALOPHILA JOHNSONII	JOHNSON'S SEAGRASS
G1	S1	LE	LE	HARPEROCALLIS FLAVA	HARPER'S BEAUTY
G2	S2	C2	LT	HARTWRIGHTIA FLORIDANA	HARTWRIGHTIA
G2	S2	C1	LE	HEDEOMA GRAVEOLENS	MOCK PENNYROYAL
G5T1Q	S1	C2	N	HEDYOTIS NIGRICANS VAR PULVINATA	NARROW-LEAVED BLUETS
G3G4	S3	N	N	HELIANTHEMUM ARENICOLA	GULF ROCKROSE
G2	S2	C2	RE	HELIANTHUS CARNOSUS	LAKE-SIDE SUNFLOWER
G5?T2	S2	C1	N	HELIANTHUS DEBILIS SSP VESTITUS	HAIRY BEACH SUNFLOWER
G?T1T3	S1S3	C2	N	HELIOTROPIUM POLYPHYLLUM VAR HORIZONTALE	PROSTRATE MANY-LEAVED TURNSOLE
G5	S2	N	LE	HEPATICA NOBILIS	LIVERLEAF
G5	S3	N	LT	HEXASTYLIS ARIFOLIA	HEARTLEAF
G3G4	S2	N	LT	HIPPOMANE MANCINELLA	MANCHINEEL
G2	S1	N	LE	HUPERZIA DICHOTOMA	HANGING CLUBMOSS
G5	S1	N	LT	HYDRANGEA ARBORESCENS	WILD HYDRANGEA
G2Q	S1	C2	N	HYMENOCALLIS CORONARIA	STREAM-BANK SPIDERLILY
G1	S1	N	N	HYMENOCALLIS HENRYAE	PANHANDLE SPIDERLILY
G2G4	S2S3	3C	N	HYMENOCALLIS LATIFOLIA	BROAD-LEAVED SPIDERLILY
G2	S1	N	LT	HYPELATE TRIFOLIATA	INKWOOD
G2	S2	LE	LE	HYPERICUM CUMULICOLA	HIGHLANDS SCRUB HYPERICUM
G2	S2	C1	LT	HYPERICUM EDISONIANUM	EDISON'S ASCYRUM
G2	S2	C2	LE	HYPERICUM LISSOPHLOEUS	SMOOTH-BARKED ST. JOHN'S-WORT
G3	S2	C2	(LT)	ILEX AMELANCHIER	SERVICEBERRY HOLLY
G?	S2	N	LTRE	ILEX KRUGIANA	KRUG'S HOLLY
G5T3	S3	3C	N	ILEX OPACA VAR ARENICOLA	SCRUB HOLLY
G5	S3	N	LT	ILLICIUM FLORIDANUM	FLORIDA ANISE
G1	S1	C2	LT	ILLICIUM PARVIFLORUM	STAR ANISE
G?	S2	N	LE	IONOPSIS UTRICULARIOIDES	DELICATE IONOPSIS
G5	S1	N	N	ISOPYRUM BITERNATUM	FALSE RUE-ANEMONE
G2	S2	C2	LE	JACQUEMONTIA CURTISSII	PINELAND JACQUEMONTIA
G1	S1	C2	LE	JACQUEMONTIA RECLINATA	BEACH JACQUEMONTIA
G4	S3	N	LT	JACQUINIA KEYENSIS	JOEWOOD
G2G3	S1	3C	N	JUNCUS GYMNOCARPUS	COVILLE'S RUSH
G1G2	S1S2	PE	LE	JUSTICIA COOLEYI	COOLEY'S WATER-WILLOW
G2?	S2	C2	RT	JUSTICIA CRASSIFOLIA	THICK-LEAVED WATER-WILLOW
G5	S3	N	LT	KALMIA LATIFOLIA	MOUNTAIN LAUREL

FLORIDA NATURAL AREAS INVENTORY

SPECIAL PLANTS LIST

GLOBAL RANK	STATE RANK	FED STAT	STATE STAT	NAME	COMMON NAME
G2G3	S2?	C2	N	LACHNOCAULON DIGYNUM	BOG-BUTTON
G3	S3	C2	RE	LECHEA CERNUA	NODDING PINWEED
G2	S2	C2	RE	LECHEA DIVARICATA	PINE PINWEED
G1	S1	C2	N	LECHEA LAKELAE	LAKELA'S PINWEED
G3G4	S3	3C	LT	LEITNERIA FLORIDANA	CORKWOOD
G1G3	S1	C2	LE	LEPANTHOPSIS MELANANTHA	TINY ORCHID
G3	S3	C1	LE	LIATRIS OHLINGERAE	FLORIDA GAY-FEATHER
G2	S2	C2	LE	LIATRIS PROVINCIALIS	GODFREY'S BLAZING STAR
G?	S1	N	LE	LICARIA TRIANDRA	GULF LICARIA
G3	S2?	C2	N	LILAEOPSIS CAROLINENSIS	CAROLINA LILAEOPSIS
G4G5	S2	N	LT	LILIUM CATESBAEI	SOUTHERN RED LILY
G1	S1	C2	LE	LILIUM IRIDOLLAE	PANHANDLE LILY
G4G5	S1S2	N	N	LILIUM MICHAUXII	CAROLINA LILY
G5	S1	N	N	LILIUM SUPERBUM	TURK'S CAP LILY
G2	SH	LE	LE	LINDERA MELISSIFOLIA	PONDBERRY
G1G2	S1S2	C2	LE	LINUM ARENICOLA	SAND FLAX
G2T1	S1	C1	RE	LINUM CARTERI VAR CARTERI	CARTER'S SMALL-FLOWERED FLAX
G2T2	S2	C1	RE	LINUM CARTERI VAR SMALLII	CARTER'S LARGE-FLOWERED FLAX
G5?TU	S1?	C2	N	LINUM SULCATUM VAR HARPERI	HARPER'S GROOVED-YELLOW FLAX
G2	S2	C2	LT	LINUM WESTII	WEST'S FLAX
G4G5	S2	3C	LT	LITSEA AESTIVALIS	PONDSPICE
G?	S2S3	N	(LT)	LOMARIOPSIS KUNZEANA	HOLLY VINE FERN
G1G3Q	S1S3	N	N	LUDWIGIA SPATHULIFOLIA	
G1	S1	LE	LE	LUPINUS ARIDORUM	SCRUB LUPINE
G2	S2	3C	LT	LUPINUS WESTIANUS	GULF COAST LUPINE
G1	S1	C2	RE	LYTHRUM CURTISSII	CURTISS' LOOSESTRIFE
G2G3	S2S3	C2	N	LYTHRUM FLAGELLARE	LOWLAND LOOSESTRIFE
G1	S1	C2	LE	MACBRIDEA ALBA	WHITE BIRDS-IN-A-NEST
G5	S2	N	LT	MAGNOLIA ACUMINATA	CUCUMBER MAGNOLIA
G2	S2	3C	LE	MAGNOLIA ASHEI	ASHE'S MAGNOLIA
G4	S2	N	LE	MAGNOLIA PYRAMIDATA	PYRAMID MAGNOLIA
G5	S3	N	(LT)	MALAXIS UNIFOLIA	GREEN ADDER'S-MOUTH
G?	S1	N	LT	MARSHALLIA OBOVATA	BARBARA'S BUTTONS
G1	S1	C2	LE	MATELEA ALABAMENSIS	ALABAMA ANGLEPOD
G?	S1	N	LE	MATELEA BALDWYNIANA	BALDWYN'S SPINY-POD
G2	S2	C2	LE	MATELEA FLORIDANA	FLORIDA SPINY-POD
G?	S1	N	LE	MAXILLARIA CRASSIFOLIA	HIDDEN ORCHID
G5	S2	N	LT	MEDEOLA VIRGINIANA	INDIAN CUCUMBER-ROOT
G2Q	S2	C2	N	MELANTHERA PARVIFOLIA	SMALL-LEAVED MELANTHERA
G?	S2S3	N	(LT)	MICROGRAMMA HETEROPHYLLA	CLIMBING VINE FERN
G1Q	S1	C2	N	MINUARTIA GODFREYI	GODFREY'S SANDWORT
G5	S1	N	LE	MONOTROPA HYPOPITHYS	PINESAP
G1Q	S1	C2	LE	MONOTROPSIS REYNOLDSIAE	PIGMY-PIPES
G4T3	S3	C2	LT	MYRCIANTHES FRAGRANS VAR SIMPSONII	TWINBERRY
G2G3	S2S3	C2	N	MYRIOPHYLLUM LAXUM	PIEDMONT WATER-MILFOIL
G2	S2	C2	LE	NEMASTYLIS FLORIDANA	FALL-FLOWERING IXIA
G?	S1S2	N	(LT)	NEURODIUM LANCEOLATUM	RIBBON FERN
G2	S2	C2	LE	NOLINA ATOPOCARPA	FLORIDA BEAR-GRASS
G2	S2	C2	RE	NOLINA BRITTONIANA	BRITTON'S BEAR-GRASS
G5T2	S2	C2	N	NUPHAR LUTEUM SSP ULVACEUM	WEST FLORIDA COWLILY
G?	SH	N	N	NYMPHAEA BLANDA	SLEEPING-BEAUTY WATER-LILY
G?	S2S3	N	(LT)	ODONTOSORIA CLAVATA	WEDGELET FERN
G3	S2	N	LE	OKENIA HYPOGAEA	BURROWING FOUR-O'CLOCK
G1G3Q	S1	N	LE	ONCIDIUM BAHAMENSE	DANCING-LADY ORCHID
G1G3	S1	3C	LE	OPHIOGLOSSUM PALMATUM	HAND FERN
G1	S1	C2	(LT)*	OPUNTIA SPINOSISSIMA	FLORIDA SEMAPHORE CACTUS
G1G3	S1	C2	N	OPUNTIA TRIACANTHA	THREE-SPINED PRICKLY-PEAR
G5T3	S3	C2	LE	OXYPOLIS FILIFORMIS SSP GREENMANII	GIANT WATER-DROPWORT
G4G5	S1	N	LE	PACHYSANDRA PROCUMBENS	ALLEGHENY-SPURGE

FLORIDA NATURAL AREAS INVENTORY

SPECIAL PLANTS LIST

GLOBAL RANK	STATE RANK	FED STAT	STATE STAT	NAME	COMMON NAME
G2	S2	N	RT	PANICUM ABSCISSUM	CUTTHROAT GRASS
G5	S2?	C2	N	PANICUM NUDICAULE	NAKED-STEMMED PANIC GRASS
G2?Q	S2	C2	N	PANICUM PINETORUM	BONITA SPRINGS PANIC GRASS
G2	S1	C2	RE	PARNASSIA CAROLINIANA	CAROLINA GRASS-OF-PARNASSUS
G2G3	S2	N	LE	PARNASSIA GRANDIFOLIA	LARGE-FLOWERED GRASS-OF-PARNASSUS
G2	S2	LT	LE	PARONYCHIA CHARTACEA	PAPER-LIKE NAIL-WORT
G4G5	S2S3	N	N	PAVONIA SPINIFEX	YELLOW HIBISCUS
G?	S1S2	N	(LT)	PELLAEA ATROPURPUREA	PURPLE CLIFF BRAKE
G3G4	S3	N	N	PELTANDRA SAGITTIFOLIA	SPOON-FLOWER
G1G2	S1S2	C2	LE	PEPEROMIA FLORIDANA	EVERGLADES PEPEROMIA
G?	S1	N	LE	PEPEROMIA GLABELLA	CYPRESS PEPEROMIA
G4	S3	3C	N	PERSEA HUMILIS	SCRUB BAY
G?	SH	N	N	PHARUS PARVIFOLIUS	CREEPING-LEAF STALKGRASS
G?	S1	N	LE	PHORADENDRON RUBRUM	MAHOGONY MISTLETOE
G3G5T2	S2	3C	LT	PHYLLANTHUS LEIBMANNIANUS SSP PLATYLEPIS	PINE-WOOD DAINTIES
G?T3	S3	C2	N	PHYLLANTHUS PENTAPHYLLUS VAR FLORIDANUS	FLORIDA FIVE-PETALED LEAF-FLOWER
G4G5	S3S5	C2	N	PHYSOSTEGIA LEPTOPHYLLA	SLENDER-LEAVED DRAGON-HEAD
G2	S2	C2	RE	PINGUICULA IONANTHA	VIOLET-FLOWERED BUTTERWORT
G3?	S2	C2	RE	PINGUICULA PLANIFOLIA	CHAPMAN'S BUTTERWORT
GX	SX	3A	N	PISONIA FLORIDANA	ROCK KEY DEVIL'S-CLAWS
G3	S3	C2	LE	PITYOPSIS FLEXUOSA	BENT GOLDEN ASTER
G3G4	S3S4	3C	(LT)	PLATANTHERA INTEGRA	YELLOW FRINGELESS ORCHID
GU	S1	N	(LT)	PLEOPELTIS REVOLUTA	STAR-SCALE FERN
G5	S1	N	N	PODOPHYLLUM PELTATUM	MAY APPLE
G4T2	S2	C2	N	POLYGALA BOYKINII VAR SPARSIFOLIA	BOYKIN'S FEW-LEAVED MILKWORT
G1?	S1	C1	LE	POLYGALA LEWTONII	LEWTON'S POLYGALA
G1	S1	LE	LE	POLYGALA SMALLII	TINY POLYGALA
G3	S3	LE	LE	POLYGONELLA BASIRAMIA	HAIRY JOINTWEED
G2	S2	C1	LT	POLYGONELLA MACROPHYLLA	LARGE-LEAVED JOINTWEED
G2G3	S2S3	3C	N	POLYGONELLA MYRIOPHYLLA	SMALL'S JOINTWEED
G?	S2	N	LT	POLYGONUM MEISNERIANUM	MEXICAN TEAR-THUMB
G2G3	S1?	C2	N	POLYMNIA LAEVIGATA	TENNESSEE LEAFCUP
G?	S2	N	LE	POLYRRHIZA LINDENII	GHOST ORCHID
GU	SU	C2	N	POTAMOGETON FLORIDANUS	FLORIDA PONDWEED
G2G3	S2S3	LE	LTRE	PRUNUS GENICULATA	SCRUB PLUM
GU	S1	N	LE	PSEUDOPHOENIX SARGENTII	FLORIDA CHERRY-PALM
G?	S3S4	N	(LT)	PTERIS BAHAMENSIS	BAHAMA BRAKE
G3G4	S2	C2	(LT)	PTEROGLOSSASPIS ECRISTATA	A WILD COCO
G3	S3	3C	N	PYCNANTHEMUM FLORIDANUM	FLORIDA MOUNTAIN-MINT
G3	S1S2	3C	N	QUERCUS ARKANSANA	ARKANSAS OAK
G3	S1	N	LE	REMIREA MARITIMA	BEACH-STAR
G?	S1	N	LE	RESTREPIELLA OPHIOCEPHALA	SNAKE ORCHID
G2	S2	C2	LE	RHEXIA PARVIFLORA	A MEADOWBEAUTY
G2	S2	C2	N	RHEXIA SALICIFOLIA	PANHANDLE MEADOWBEAUTY
G3G5	SX	3C	LE	RHIPSALIS BACCIFERA	MISTLETOE CACTUS
G3G4	S3	3C	LE	RHODODENDRON AUSTRINUM	ORANGE AZALEA
G1G2	S1S2	LE	LE	RHODODENDRON CHAPMANII	CHAPMAN'S RHODODENDRON
G3	S3	C2	N	RHYNCHOSIA CINEREA	BROWN-HAIRED SNOUTBEAN
G1	S1	N	N	RHYNCHOSPORA CRINIPES	HAIRY-PEDUNCLED BEAK-RUSH
G1	S1?	3C	N	RHYNCHOSPORA CULIXA	GEORGIA BEAK-RUSH
G1?	SU	C2	N	RHYNCHOSPORA PUNCTATA	PINELAND BEAK-RUSH
G1	S1	LT	LE	RIBES ECHINELLUM	MICCOSUKEE GOOSEBERRY
G2Q	S2	C1	LE	ROYSTONEA ELATA	FLORIDA ROYAL PALM
G3	S1	C2	LE	RUDBECKIA NITIDA	ST. JOHN'S-SUSAN

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SPECIAL PLANTS LIST

GLOBAL RANK	STATE RANK	FED STAT	STATE STAT	NAME	COMMON NAME
G4T1T2	S1	C2	N	RUDBECKIA TRILOBA VAR PINNATILOBA	PINNATE-LOBED CONEFLOWER
G1?	S1	N	N	SABAL MIAMIENSIS	MIAMI PALMETTO
G2	S1	N	LE	SACHSIA BAHAMENSIS	BAHAMA SACHSIA
G4T1T2	S2	C2	(LT)	SACOILA LANCEOLATA VAR PALUDICOLA	A LADIES'-TRESSES
G2	S2	C2	LT	SALIX FLORIDANA	FLORIDA WILLOW
G2	S2	C2	LTRE	SALPINGOSTYLIS COELESTINA	BARTRAM'S IXIA
GHQ	SH	3B	N	SALVIA BLODGETTII	BLODGETT'S SAGE
G?	S1	N	N	SALVIA CHAPMANII	CHAPMAN'S SAGE
G3G5	S3	C2	LE	SARRACENIA LEUCOPHYLLA	WHITE-TOP PITCHER-PLANT
G3	S2	C2	LE	SARRACENIA RUBRA	SWEET PITCHER-PLANT
G4	S2	3C	LT	SCHISANDRA COCCINEA	SCHISANDRA
G2?	S2	C2	N	SCHIZACHYRIUM NIVEUM	RIPARIAN AUTUMNGRASS
G1G3	S1	C2	LE	SCHIZAEA GERMANII	TROPICAL CURLY-GRASS
G2	S1	C2	RE	SCHWALBEA AMERICANA	CHAFFSEED
G1	S1	C2	RE	SCUTELLARIA FLORIDANA	FLORIDA SKULLCAP
G5	S3S4	N	LT	SELAGINELLA APODA	MEADOW SPIKEMOSS
G?	S2	N	N	SELAGINELLA EATONII	EATON'S SPIKEMOSS
G4G5	S3S4	N	LT	SELAGINELLA LUDOVICIANA	GULF SPIKEMOSS
G3?Q	S3?	C2	N	SIDA RUBROMARGINATA	RED-MARGINED SIDA
G2	S2	C1	RE	SILENE POLYPETALA	FRINGED CAMPION
G1Q	S1	C2	N	SIUM FLORIDANUM	FLORIDA WATER-PARSNIP
G4G5TH	SH	3A	N	SOLANUM BAHAMENSE VAR RUGELII	RUGEL'S KEY WEST HORSE-NETTLE
G5T3T5	S3S5	C2	N	SOLANUM CAROLINENSE VAR FLORIDANUM	
G4	S3	N	N	SOPHORA TOMENTOSA	NECKLACE POD
G1	S1	C2	LE	SPIGELIA GENTIANOIDES	GENTIAN PINKROOT
G1G2	S1S2	3C	LE	SPIGELIA LOGANIOIDES	A PINKROOT
G1G3	S1S2	C2	LE	SPIRANTHES POLYANTHA	GREEN LADIES-TRESSES
G5T1	S1	C2	N	STACHYS HYSSOPIFOLIA VAR LYTHROIDES	TALLAHASSEE HEDGE-NETTLE
G5	S1	N	LT	STAPHYLEA TRIFOLIA	AMERICAN BLADDERNUT
G4	S3	N	LE	STEWARTIA MALACODENDRON	SILKY CAMELLIA
G4G5T2	S2	C2	N	STILLINGIA SYLVATICA SSP TENUIS	A QUEEN'S DELIGHT
G4	S1	N	LE	STRUMPFIA MARITIMA	PRIDE-OF-BIG-PINE
G2	S2	C1	LE	TAXUS FLORIDANA	FLORIDA YEW
G2?	S1	N	LE	TECTARIA CORIANDRIFOLIA	HATTIE BAUER HALBERD FERN
GH?Q	SH	C2	(LT)	TECTARIA X AMESIANA	AMES HALBERD FERN
G1Q	S1	C1	RE	TEPHROSIA ANGUSTISSIMA	A DEVIL'S SHOESTRING
G2?	S1	C2	N	TEPHROSIA MOHRII	PINELAND HOARY-PEA
G3G5	S3	N	LT	TETRAZYGIA BICOLOR	TETRAZYGIA
G1	S1	C1	N	THALICTRUM COOLEYI	COOLEY'S MEADOWRUE
GXQ	SX	N	(LT)	THELYPTERIS MACILENTA	EDWARD'S MAIDEN FERN
G4G5	S3	N	LC	THRINAX MORRISII	BRITTLE THATCH PALM
G4G5	S2	N	LC	THRINAX RADIATA	FLORIDA THATCH PALM
G4	S3	N	LT	TILLANDSIA FLEXUOSA	BANDED WILD-PINE
G3	S1	N	LE	TILLANDSIA PRUINOSA	FUZZY-WUZZY AIR-PLANT
G1	S1	LE	LE	TORREYA TAXIFOLIA	FLORIDA TORREYA
G4	S3	N	LE	TOURNEFORTIA GNAPHALODES	SEA LAVENDER
G2	S2	C2	RE	TRAGIA SAXICOLA	PINELAND NOSEBURN
G?	S1	N	(LT)	TRICHOMANES HOLOPTERUM	ENTIRE-WINGED BRISTLE FERN
G?	S1S2	N	(LT)	TRICHOMANES KRAUSII	KRAUS' BRISTLE FERN
G3	S1S2	N	(LT)	TRICHOMANES PETERSII	PLATEAU BRISTLE FERN
G2	S2	N	(LT)	TRICHOMANES PUNCTATUM	FLORIDA BRISTLE FERN
G3	S2	N	LE	TRILLIUM LANCIFOLIUM	NARROW-LEAVED TRILLIUM
G1	S1	C2	(LT)	TRIPHORA CRAIGHEADII	CRAIGHEAD'S NODDING-CAPS
GH	SH	C2	(LT)	TRIPHORA LATIFOLIA	BROAD-LEAVED NODDING-CAPS
G2	S2	C1	RE	TRIPSACUM FLORIDANUM	FLORIDA GAMA GRASS
G3G5	S1	N	LE	TROPIDIA POLYSTACHYA	YOUNG-PALM ORCHID
G4?	S1	N	N	ULMUS CRASSIFOLIA	CEDAR ELM

FLORIDA NATURAL AREAS INVENTORY

SPECIAL PLANTS LIST

GLOBAL RANK	STATE RANK	FED STAT	STATE STAT	NAME	COMMON NAME
G?	S1	N	N	UVULARIA FLORIDANA	FLORIDA MERRYBELLS
G?	S2	N	LE	VANILLA BARBELLATA	WORM-VINE ORCHID
G1G3	S1	N	(LT)	VANILLA MEXICANA	SCENTLESS VANILLA
G5	S2	3C	LE	VERATRUM WOODII	FALSE HELLEBORE
G2	S2	C2	LT	VERBESINA CHAPMANII	CHAPMAN'S CROWNBEARD
G2	S2	C1	N	VERBESINA HETEROPHYLLA	VARIABLE-LEAF CROWNBEARD
G1	S1	C1	LE	VICIA OCALENSIS	OCALA VETCH
G5	S1	N	LE	VIOLA HASTATA	HALBERD-LEAVED YELLOW VIOLET
G1	S1	LE	LE	WAREA AMPLEXIFOLIA	CLASPING WAREA
G1	S1	LE	LE	WAREA CARTERI	CARTER'S WAREA
G?	S3S4	N	(LT)	WOODSIA OBTUSA	BLUNT-LOBED CLIFF FERN
G3	S2	C2	N	XYRIS DRUMMONDII	DRUMMOND'S YELLOW-EYED GRASS
G2?	S2	C2	N	XYRIS ISOETIFOLIA	QUILLWORT YELLOW-EYED GRASS
G2	S2	3C	LE	XYRIS LONGISEPALA	KARST POND XYRIS
G1G2Q	S1	C2	LT	XYRIS SCABRIFOLIA	HARPER'S YELLOW-EYED GRASS
G?	S1	N	LE	ZANTHOXYLUM FLAVUM	YELLOWHEART, SATINWOOD
G2?	S2S3	3C	LE	ZEPHYRANTHES SIMPSONII	RAIN LILY
GH	SH	C2	N	ZIZIA LATIFOLIA	BRISTOL GOLDEN ALEXANDERS
G1	S1	C2	RE	ZIZIPHUS CELATA	

* = Also ranked RE

Not all taxa listed in the Preservation of Native Flora of Florida Act (F.S. 581.185) are included in this list.

NUMBER OF ELEMENTS: 366

FLORIDA NATURAL AREAS INVENTORY

SPECIAL VERTEBRATES LIST

GLOBAL RANK	STATE RANK	FED STAT	STATE STAT	NAME	COMMON NAME
** FISHES					
G5	S3	N	N	ACANTHARCHUS POMOTIS	MUD SUNFISH
G3	SA	LE	LE	ACIPENSER BREVIROSTRUM	SHORTNOSE STURGEON
G3	S2	C2	LS	ACIPENSER OXYRHYNCHUS	ATLANTIC STURGEON
G5	S3	N	N	AGONOSTOMUS MONTICOLA	MOUNTAIN MULLET
G3	S1	C2	LT	AMMOCRYPTA ASPRELLA	CRYSTAL DARTER
G5	SU	N	N	AWAOUS TAJASICA	RIVER GOBY
G5	S2	N	N	BAIRDIELLA SANCTAELUCIAE	STRIPED CROAKER
G5T2	S2	N	LS	CYPRINODON VARIEGATUS HUBBSI	LAKE EUSTIS PUPFISH
G5T2Q	S2	N	N	CYPRINODON VARIEGATUS POP 1	FLORIDA KEYS SHEEPSHEAD MINNOW
G3	S3	N	N	ENNEACANTHUS CHAETODON	BLACKBANDED SUNFISH
G4	S1	N	LS	ETHEOSTOMA HISTRIO	HARLEQUIN DARTER
G2	S2	LE	LE	ETHEOSTOMA OKALOOSAE	OKALOOSA DARTER
G5	S1	N	LS	ETHEOSTOMA OLMSTEDI	TESSELLATED DARTER
G4	S2	N	N	ETHEOSTOMA PARVIPINNE	GOLDSTRIPE DARTER
G5	S2	N	N	ETHEOSTOMA PROELIARE	CYPRESS DARTER
G5T4	S3	N	N	FUNDULUS GRANDIS SAGUANUS	SOUTHERN GULF KILLIFISH
G3	S2	N	LS	FUNDULUS JENKINSI	SALTMARSH TOPMINNOW
G5T2Q	S2	N	N	FUNDULUS SIMILIS SSP 1	FLORIDA KEYS SOUTHERN LONGNOSE KILLIFISH
G3	S3	N	N	GAMBUSIA RHIZOPHORAE	MANGROVE GAMBUSIA
G4	S3?	N	N	GOBIONELLUS STIGMATURUS	SPOTTAIL GOBY
G5?	S2	N	N	HYBOGNATHUS HAYI	CYPRESS MINNOW
G5	S2	N	N	HYBOPSIS AESTIVALIS	SPECKLED CHUB
G4	S3	N	N	ICTALURUS BRUNNEUS	SNAIL BULLHEAD
G3	S3	N	N	ICTALURUS SERRACANTHUS	SPOTTED BULLHEAD
G5	S3	N	LS	LEPISOSTEUS SPATULA	ALLIGATOR GAR
G5T2Q	S2	N	N	LUCANIA PARVA POP 1	FLORIDA KEYS RAINWATER KILLIFISH
G2Q	S2	N	LT	MENIDIA CONCHORUM	KEY SILVERSIDE
G2G3	S2S3	N	LS	MICROPTERUS NOTIUS	SUWANNEE BASS
G2	S1	N	LS	MICROPTERUS SP 1	SHOAL BASS
G4	S1	N	LS	MOXOSTOMA CARINATUM	RIVER REDHORSE
G2	S2	N	N	MOXOSTOMA SP 1	GREYFIN REDHORSE
G2	S1	C2	LS	NOTROPIS CALLITAENIA	BLUESTRIPE SHINER
G5	S4	N	N	NOTROPIS CUMMINGSAE	DUSKY SHINER
G3	S2	N	N	NOTROPIS LEEDSI	BANNERFIN SHINER
G1	S1	C2	LE	NOTROPIS SP 2	BLACKMOUTH SHINER
G4	S4	N	N	NOTROPIS WELAKA	BLUENOSE SHINER
G3	S1S2	N	N	NOTROPIS ZONISTIUS	BANDFIN SHINER
G5	S3	N	N	OOSTETHUS BRACHYURUS	OPPOSUM PIPEFISH
G5	S1	N	N	PERCINA OUACHITAE	SADDLEBACK DARTER
G5	SA	N	N	PETROMYZON MARINUS	SEA LAMPREY
G5T2Q	S2	N	N	POECILIA LATIPINNA POP 1	FLORIDA KEYS SAILFIN MOLLY
G5	S2	N	LS	RIVULUS MARMORATUS	RIVULUS
G1	S1	N	LS	STARKSIA STARCKI	KEY BLENNY
G5	S3	N	N	UMBRA PYGMAEA	EASTERN MUDMINNOW
** AMPHIBIANS					
G4	S3?	C2	N	AMBYSTOMA CINGULATUM	FLATWOODS SALAMANDER
G5	S3?	N	N	AMBYSTOMA TIGRINUM	TIGER SALAMANDER
G3	S3	N	N	AMPHIUMA PHOLETER	ONE-TOED AMPHIUMA
G5	S1	N	N	DESMOGNATHUS MONTICOLA	SEAL SALAMANDER
G2	S2	C2	LS	HAIDEOTRITON WALLACEI	GEORGIA BLIND SALAMANDER
G5	S2	N	N	HEMIDACTYLIUM SCUTATUM	FOUR-TOED SALAMANDER
G4	S3	AC	LS	HYLA ANDERSONII	PINE BARRENS TREEFROG
G3	S3	N	N	NOTOPHTHALMUS PERSTRIATUS	STRIPED NEWT
G5T1T2	S1S2	C2	N	PSEUDOBRANCHUS STRIATUS LUSTRICOLUS	GULF HAMMOCK DWARF SIREN
G4	S3	C2	LS	RANA AREOLATA	GOPHER FROG
G2	S2	N	LS	RANA OKALOOSAE	FLORIDA BOG FROG
G5	S2?	N	N	RANA VIRGATIPES	CARPENTER FROG
G5	S1	N	N	STEREOCHILUS MARGINATUS	MANY-LINED SALAMANDER

FLORIDA NATURAL AREAS INVENTORY

SPECIAL VERTEBRATES LIST

GLOBAL RANK	STATE RANK	FED STAT	STATE STAT	NAME	COMMON NAME
** REPTILES					
G5	S2	N	N	AGKISTRODON CONTORTRIX	COPPERHEAD
G5	S4	LTSA	LS	ALLIGATOR MISSISSIPPIENSIS	AMERICAN ALLIGATOR
G3	S2	LT	LT	CARETTA CARETTA	LOGGERHEAD
G3	S2	LE	LE	CHELONIA MYDAS	GREEN TURTLE
G5	S3?	N	N	CLEMMYS GUTTATA	SPOTTED TURTLE
G2?	S1	LE	LE	CROCODYLUS ACUTUS	AMERICAN CROCODILE
G5	S3	N	N	CROTALUS HORRIDUS	CANEBRAKE RATTLESNAKE
G3	S2	LE	LE	DERMOCHELYS CORIACEA	LEATHERBACK TURTLE
G5T1	S1	C2	LT	DIADOPHIS PUNCTATUS ACRICUS	KEY RINGNECK SNAKE
G4T3	S3	LT	LT	DRYMARCHON CORAIS COUPERI	EASTERN INDIGO SNAKE
G5T2Q	S2	N	LS	ELAPHE GUTTATA POP 1	LOWER KEYS RED RAT SNAKE
G3?	S1	LE	LE	ERETMOCHELYS IMBRICATA	HAWKSBILL
G5	S3	N	N	EUMECES ANTHRACINUS	COAL SKINK
G4?T2	S2	C2	LS	EUMECES EGREGIUS EGREGIUS	FLORIDA KEYS MOLE SKINK
G4?T1	S1	N	N	EUMECES EGREGIUS INSULARIS	CEDAR KEYS MOLE SKINK
G4?T2	S2	LT	LT	EUMECES EGREGIUS LIVIDUS	BLUE-TAILED MOLE SKINK
G5T1	S1	N	N	FARANCIA ERYTROGRAMMA SEMINOLA	SOUTH FLORIDA RAINBOW SNAKE
G2	S2	C2	LS	GOPHERUS POLYPHEMUS	GOPHER TORTOISE
G2	S2	C2	LS	GRAPTEMYS BARBOURI	BARBOUR'S MAP TURTLE
G4?	S2	N	LS	GRAPTEMYS PULCHRA	ALABAMA MAP TURTLE
G5T2Q	S2	C2	LE	KINOSTERNON BAURII POP 1	KEY MUD TURTLE
G5	S2S3	N	N	LAMPROPELTIS CALLIGASTER	MOLE SNAKE
G5T2	S2	N	N	LAMPROPELTIS GETULUS GOINI	APALACHICOLA KINGSNAKE
G1	S1	LE	LE	LEPIDOCHELYS KEMPII	ATLANTIC RIDLEY
G3?	S3?	C2	LS	MACROCLEMYS TEMMINCKII	ALLIGATOR SNAPPING TURTLE
G5T2?	S2?	N	N	MALACLEMYS TERRAPIN RHIZOPHORARUM	MANGROVE TERRAPIN
G2	S2	LT	LT	NEOSEPS REYNOLDSI	SAND SKINK
G5T3	S3?	N	N	NERODIA FASCIATA CLARKII	GULF SALT MARSH SNAKE
G5T1Q	S1	LT	LT	NERODIA FASCIATA TAENIATA	ATLANTIC SALT MARSH SNAKE
G5T3?	S?	C2	LS	PITUOPHIS MELANOLEUCUS MUGITUS	FLORIDA PINE SNAKE
G5T3	S3	3C	LS	PSEUDEMYS CONCINNA SUWANNIENSIS	SUWANNEE COOTER
G3	S3	C2	N	SCELOPORUS WOODI	FLORIDA SCRUB LIZARD
G3	S3	C2	LT	STILOSOMA EXTENUATUM	SHORT-TAILED SNAKE
G5T1Q	S1	N	LT	STORERIA DEKAYI POP 1	LOWER KEYS BROWN SNAKE
G1G2Q	S1S2	C2	LT	TANTILLA OOLITICA	RIM ROCK CROWNED SNAKE
G5T1Q	S1	N	LT	THAMNOPHIS SAURITUS POP 1	LOWER KEYS RIBBON SNAKE
G5T4?	S2?	N	N	TRIONYX MUTICUS CALVATUS	GULF COAST SMOOTH SOFTSHELL
** BIRDS					
G4	S3?	N	N	ACCIPITER COOPERII	COOPER'S HAWK
G3	S?	C2	N	AIMOPHILA AESTIVALIS	BACHMAN'S SPARROW
G5	S2S3	N	LS	AJAIA AJAJA	ROSEATE SPOONBILL
G4T3	S1	N	N	AMMODRAMUS MARITIMUS FISHERI	LOUISIANA SEASIDE SPARROW
G4T2	S2	C2	LS	AMMODRAMUS MARITIMUS JUNCICOLUS	WAKULLA SEASIDE SPARROW
G4T1	S1	LE	LE	AMMODRAMUS MARITIMUS MIRABILIS	CAPE SABLE SEASIDE SPARROW
G4TX	SX	LE	LE	AMMODRAMUS MARITIMUS NIGRESCENS	DUSKY SEASIDE SPARROW
G4T2Q	S2?	C2	N	AMMODRAMUS MARITIMUS PELONOTUS	SMYRNA SEASIDE SPARROW
G4T2	S2	N	LS	AMMODRAMUS MARITIMUS PENINSULAE	SCOTT'S SEASIDE SPARROW
G4T1	S1	LE	LE	AMMODRAMUS SAVANNARUM FLORIDANUS	FLORIDA GRASSHOPPER SPARROW
G5	S1	N	N	ANOUS STOLIDUS	BROWN NODDY
G5T3	S3	LT	LT	APHELOCOMA COERULESCENS COERULESCENS	FLORIDA SCRUB JAY
G5	S3	N	LS	ARAMUS GUARAUNA	LIMPKIN
G5T2	S2	N	N	ARDEA HERODIAS OCCIDENTALIS	GREAT WHITE HERON
G5T3	S3	N	LS	ATHENE CUNICULARIA FLORIDANA	FLORIDA BURROWING OWL
G4?	S3	N	N	BUTEO BRACHYURUS	SHORT-TAILED HAWK
G1	SX	LE	LE	CAMPEPHILUS PRINCIPALIS	IVORY-BILLED WOODPECKER
G5	S4	N	N	CASMERODIUS ALBUS	GREAT EGRET
G4?	S2	C2	LT	CHARADRIUS ALEXANDRINUS	SNOWY PLOVER
G2	S2	LT	LT	CHARADRIUS MELODUS	PIPING PLOVER
G4	S3	N	N	CHORDEILES GUNDLACHII	ANTILLEAN NIGHTHAWK

FLORIDA NATURAL AREAS INVENTORY

SPECIAL VERTEBRATES LIST

GLOBAL RANK	STATE RANK	FED STAT	STATE STAT	NAME	COMMON NAME
G5T3	S2	N	LS	CISTOTHORUS PALUSTRIS GRISEUS	WORTHINGTON'S MARSH WREN
G5T3	S3?	N	LS	CISTOTHORUS PALUSTRIS MARIANAE	MARIAN'S MARSH WREN
G5	S3	N	N	COCCYZUS MINOR	MANGROVE CUCKOO
G3	S2	C2	LT	COLUMBA LEUCOCEPHALA	WHITE-CROWNED PIGEON
GX	SX	N	N	CONUROPSIS CAROLINENSIS	CAROLINA PARAKEET
G5T3	S3	N	N	DENDROICA DISCOLOR PALUDICOLA	FLORIDA PRAIRIE WARBLER
G5T3Q	S2S3	C2	N	DENDROICA DOMINICA STODDARDI	STODDARD'S YELLOW-THROATED WARBLER
G1	S1	LE	LE	DENDROICA KIRTLANDII	KIRTLAND'S WARBLER
G5T4	S3	N	LS	DENDROICA PETECHIA GUNDLACHI	CUBAN YELLOW WARBLER
GX	SX	N	N	ECTOPISTES MIGRATORIUS	PASSENGER PIGEON
G5	S4	N	LS	EGRETTA CAERULEA	LITTLE BLUE HERON
G4	S2	C2	LS	EGRETTA RUFESCENS	REDDISH EGRET
G5	S4	N	LS	EGRETTA THULA	SNOWY EGRET
G5	S4	N	LS	EGRETTA TRICOLOR	TRICOLORED HERON
G5	S1S3	N	N	ELANUS CAERULEUS	BLACK-SHOULDERED KITE
G5	S4	N	N	EUDOCIMUS ALBUS	WHITE IBIS
G4	SU	N	N	FALCO COLUMBARIUS	MERLIN
G3	S2	LT	LE	FALCO PEREGRINUS	PEREGRINE FALCON
G5T3T4	S3?	C2	LT	FALCO SPARVERIUS PAULUS	SOUTHEASTERN AMERICAN KESTREL
G5	S1	N	N	FREGATA MAGNIFICENS	MAGNIFICENT FRIGATEBIRD
G3	SX	N	N	GEOTRYGON CHRYSIA	KEY WEST QUAIL-DOVE
G1	SX	LE	N	GRUS AMERICANA	WHOOPING CRANE
G5T2T3	S2S3	N	LT	GRUS CANADENSIS PRATENSIS	FLORIDA SANDHILL CRANE
G5	S3	N	LS	HAEMATOPUS PALLIATUS	AMERICAN OYSTERCATCHER
G3	S2S3	LE	LT	HALIAEETUS LEUCOCEPHALUS	BALD EAGLE
G5	S1	N	N	HELMITHEROS VERMIVORUS	WORM-EATING WARBLER
G5	S4	N	N	IXOBRYCHUS EXILIS	LEAST BITTERN
G5	S3?	N	N	LATERALLUS JAMAICENSIS	BLACK RAIL
G5	S2	LE	LE	MYCTERIA AMERICANA	WOOD STORK
G5	S3?	N	N	NYCTICORAX NYCTICORAX	BLACK-CROWNED NIGHT-HERON
G5	S3?	N	N	NYCTICORAX VIOLACEUS	YELLOW-CROWNED NIGHT-HERON
G5	S3S4	N	LS*	PANDION HALIAETUS	OSPREY
G5	S3	AC	LS	PELECANUS OCCIDENTALIS	BROWN PELICAN
G2	S2	LE	LT	PICOIDES BOREALIS	RED-COCKADED WOODPECKER
G5	S3?	N	N	PICOIDES VILLOSUS	HAIRY WOODPECKER
G5	S2	N	N	PLEGADIS FALCINELLUS	GLOSSY IBIS
G5	S2	LT	LT	POLYBORUS PLANCUS	CRESTED CARACARA
G5T3	S3	C2	N	RALLUS LONGIROSTRIS INSULARUM	MANGROVE CLAPPER RAIL
G5T3?	S3?	N	N	RALLUS LONGIROSTRIS SCOTTII	FLORIDA CLAPPER RAIL
G5	S1S2	N	N	RECURVIROSTRA AMERICANA	AMERICAN AVOCET
G4?T1	S1	LE	LE	ROSTRHAMUS SOCIABILIS PLUMBEUS	SNAIL KITE
G5	S3	N	N	RYNCHOPS NIGER	BLACK SKIMMER
G5	S3	N	N	SEIURUS MOTACILLA	LOUISIANA WATERTHRUSH
G5	S3	N	N	SETOPHAGA RUTICILLA	AMERICAN REDSTART
G5	S2	N	N	SITTA CAROLINENSIS	WHITE-BREASTED NUTHATCH
G4	S3	N	LT	STERNA ANTILLARUM	LEAST TERN
G5	S2?	N	N	STERNA CASPIA	CASPIAN TERN
G3	S1	LT	LT	STERNA DOUGALLII	ROSEATE TERN
G5	S1	N	N	STERNA FUSCATA	SOOTY TERN
G5	S3	N	N	STERNA MAXIMA	ROYAL TERN
G4	S2	N	N	STERNA SANDVICENSIS	SANDWICH TERN
GH	SH	LE	LE	VERMIVORA BACHMANII	BACHMAN'S WARBLER
G5	S3	N	N	VIREO ALTILOQUUS	BLACK-WHISKERED VIREO
G5	SX	N	N	ZENAIDA AURITA	ZENAIDA DOVE

* = Applicable in Monroe County only

** MAMMALS

GLOBAL RANK	STATE RANK	FED STAT	STATE STAT	NAME	COMMON NAME
G4	SX	LE	N	BISON BISON	BISON
G5T1	S1	C2	LS	BLARINA CAROLINENSIS SHERMANI	SHERMAN'S SHORT-TAILED SHREW
G4	SX	LE	N	CANIS LUPUS	GRAY WOLF
GH	SX	LE	N	CANIS RUFUS	RED WOLF
G5	S3	N	N	EPTESICUS FUSCUS	BIG BROWN BAT
G5?T2?	S2?	C2	N	EUMOPS GLAUCINUS FLORIDANUS	FLORIDA MASTIFF BAT
G4T1	S1	LE	LE	FELIS CONCOLOR CORYI	FLORIDA PANTHER
G5	SU	N	N	LASIURUS CINEREUS	HOARY BAT

FLORIDA NATURAL AREAS INVENTORY

SPECIAL VERTEBRATES LIST

GLOBAL RANK	STATE RANK	FED STAT	STATE STAT	NAME	COMMON NAME
G5T1	S1	C2	LS	MICROTUS PENNSYLVANICUS DUKECAMPBELLI	SALTMARSH VOLE
GH	SH	LE	N	MONACHUS TROPICALIS	CARIBBEAN MONK SEAL
G5T4	S3?	N	N	MUSTELA FRENATA OLIVACEA	SOUTHEASTERN WEASEL
G5T3	S3?	C2	N	MUSTELA FRENATA PENINSULAE	FLORIDA LONG-TAILED WEASEL
G5T2?	S2?	C2	LT	MUSTELA VISON EVERGLADENSIS	EVERGLADES MINK
G5T3	S3	C2	N	MUSTELA VISON LUTENSIS	FLORIDA MINK
G5T5	S3	N	N	MUSTELA VISON MINK	SOUTHERN MINK
G2	S1	LE	LE	MYOTIS GRISESCENS	GRAY BAT
G3?	SH	N	N	MYOTIS KEENII	KEEN'S BAT
G2	SH	LE	LE	MYOTIS SODALIS	INDIANA BAT
G3?	S3?	C2	N	NEOFIBER ALLENI	ROUND-TAILED MUSKRAT
G5T1	S1	LE	LE	NEOTOMA FLORIDANA SMALLI	KEY LARGO WOODRAT
G5T1	S1	LE	LE	ODOCOILEUS VIRGINIANUS CLAVIUM	KEY DEER
G2Q	S2	C1	LE	ORYZOMYS ARGENTATUS	SILVER RICE RAT
G5T1	S1	C2	N	ORYZOMYS PALUSTRIS PLANIROSTRIS	PINE ISLAND RICE RAT
G5T1	S1	C2	LS	ORYZOMYS PALUSTRIS SANIBELI	SANIBEL ISLAND RICE RAT
G5T1	S1	LE	LE	PEROMYSCUS GOSSYPINUS ALLAPATICOLA	KEY LARGO COTTON MOUSE
G5T1Q	S1	C2	N	PEROMYSCUS GOSSYPINUS ANASTASAE	ANASTASIA ISLAND COTTON MOUSE
G5T1	S1	C2	LE	PEROMYSCUS GOSSYPINUS RESTRICTUS	CHADWICK BEACH COTTON MOUSE
G5T1	S1	LE	LE	PEROMYSCUS POLIONOTUS ALLOPHRYS	CHOCTAWHATCHEE BEACH MOUSE
G5T1	S1	3A	LE	PEROMYSCUS POLIONOTUS DECOLORATUS	PALLID BEACH MOUSE
G5T1	S1	C2	N	PEROMYSCUS POLIONOTUS NIVEIVENTRIS	SOUTHEASTERN BEACH MOUSE
G5T1	S1	C2	N	PEROMYSCUS POLIONOTUS PHASMA	ANASTASIA BEACH MOUSE
G5T1	S1	LE	LE	PEROMYSCUS POLIONOTUS TRISSYLLEPSIS	PERDIDO KEY BEACH MOUSE
G4	S3?	C2	N	PLECOTUS RAFINESQUII	SOUTHEASTERN BIG-EARED BAT
G3	S3	C2	LS	PODOMYS FLORIDANUS	FLORIDA MOUSE
G5T2?	S2?	C2	N	PROCYON LOTOR AUSPICATUS	KEY VACA RACCOON
G5T2	S2	C2	LT	SCIURUS NIGER AVICENNIA	MANGROVE FOX SQUIRREL
G5T2	S2	C2	LS	SCIURUS NIGER SHERMANI	SHERMAN'S FOX SQUIRREL
G5T2	S2	3C	N	SIGMODON HISPIDUS EXSPUTUS	LOWER KEYS COTTON RAT
G5T1T2	S1S2	C2	N	SIGMODON HISPIDUS INSULICOLA	INSULAR COTTON RAT
G5T1	S1	C2	LS	SOREX LONGIROSTRIS EIONIS	HOMOSASSA SHREW
G5T4	S4	N	N	SOREX LONGIROSTRIS LONGIROSTRIS	SOUTHEASTERN SHREW
G5T2	S2	C2	N	SYLVILAGUS PALUSTRIS HEFNERI	LOWER KEYS RABBIT
G5	S1	N	LS	TAMIAS STRIATUS	EASTERN CHIPMUNK
G2?	S2?	LE	LE	TRICHECHUS MANATUS	WEST INDIAN MANATEE
G5T3	S3	C2	LT*	URSUS AMERICANUS FLORIDANUS	FLORIDA BLACK BEAR

* = Not applicable in Baker and Columbia counties and Apalachicola National Forest

NUMBER OF ELEMENTS: 214

FLORIDA NATURAL AREAS INVENTORY

MARCH 1986

SPECIAL INVERTEBRATES LIST

GLOBAL RANK	STATE RANK	FED STATUS	ST STATUS	NAME	COMMON NAME
PORIFERA					
U	U	C2	N	DOSILIA PALMERI	OKLAWAHA SPONGE
U	U	C2	N	EPHYDATIA SUBTILIS	KISSIMMEE SPONGE
CNIDARIA: ANTHOZOA					
U	U	N	N	ACROPORA CERVICORNIS	STAGHORN CORAL
U	U	N	N	ACROPORA PALMATA	ELKHORN CORAL
U	U	N	N	ACROPORA PROLIFERA	STAGHORN CORAL
U	U	N	N	AGARICIA AGARICITES	LETTUCE CORAL
U	U	N	N	COLPOPHYLLIA NATANS	GIANT BRAIN CORAL
U	U	N	N	DENDROGYRA CYLINDRUS	PILLAR CORAL
U	U	N	N	DIPLORIA CLIVOSA	BRAIN CORAL
U	U	N	N	DIPLORIA LABYRINTHIFORMIS	BRAIN CORAL
U	U	N	N	DIPLORIA STRIGOSA	BRAIN CORAL
U	U	N	N	EUSMILIA FASTIGIATA	FLOWER CORAL
U	U	N	N	MEANDRINA MEANDRITES	BRAIN CORAL
U	U	N	N	MONTASTREA ANNULARIS	SMALL STAR CORAL
U	U	N	N	MONTASTREA CAVERNOSA	LARGE STAR CORAL
U	U	N	N	MUSSA ANGULOSA	LARGE FLOWER CORAL
U	U	N	N	SIDERASTREA SIDEREA	STARLET CORAL
MOLLUSCA: GASTROPODA					
U	U	N	N	AMNICOLA SP 1	
G1	S1	C2	N	APHAOSTRACON ASTHENES	BLUE SPRING APHAOSTRACON
G1	S1	N	N	APHAOSTRACON CHALAROGYRUS	LOOSE-COILED SNAIL
G1	S1	C2	N	APHAOSTRACON MONAS	WEKIWA SPRING APHAOSTRACON
G1	S1	C2	N	APHAOSTRACON PYCNUS	THICK-SHELLED APHAOSTRACON
G1	S1	N	N	APHAOSTRACON THEIOCRENETUS	SULFUR SPRING APHAOSTRACON
G1	S1	C2	N	APHAOSTRACON XYNOELICTUS	FENNEY SPRINGS APHAOSTRACON
G1	S1	C2	N	CINCINNATIA HELICOGYRA	HELICOID SPRING SNAIL
G1	S1	C2	N	CINCINNATIA MICA	SAND GRAIN SNAIL
G1	S1	C2	N	CINCINNATIA MONROENSIS	ENTERPRISE SPRING SNAIL
G1	S1	C2	N	CINCINNATIA PARVA	BLUE SPRING SNAIL
G1	S1	C2	N	CINCINNATIA PONDEROSA	PONDEROSA SPRING SNAIL
G1	S1	C2	N	CINCINNATIA VANHYNINGI	SEMINOLE SPRING SNAIL
G1	S1	C2	N	CINCINNATIA WEKIWAE	WEKIWA SPRING SNAIL
U	SU	N	N	DRYMAEUS MULTILINEATUS FORM LATIZONATUS	WIDE-BANDED FOREST SNAIL
U	U	N	N	ELIMIA ALBANYENSIS	
G2	S2	N	N	ELIMIA CLENCHI	CLENCH'S ELIMIA
U	S2	N	LS	LIGUUS FASCIATUS MATECUMBENSIS	FLORIDA TREE SNAIL
U	S1	N	LS	LIGUUS FASCIATUS SEPTENTRIONALIS	FLORIDA TREE SNAIL
U	S1	N	LS	LIGUUS FASCIATUS SOLIDUS	FLORIDA TREE SNAIL
G3	S3	N	N	ORTHALICUS FLORIDENSIS	BANDED TREE SNAIL
G2T2	S2	N	N	ORTHALICUS RESES NESODRYAS	FLORIDA KEYS TREE SNAIL
G2T1	S1	LT	LT	ORTHALICUS RESES RESES	STOCK ISLAND TREE SNAIL
U	U	C2	N	VERTIGO HEBARDI	
MOLLUSCA: BIVALVIA					
U	U	C2	N	ALASMIDONTA WRIGHTIANA	A MUSSEL
G2	S2	N	N	LAMPSILIS HADDLETONI	HADDLETON'S LAMPSILID CLAM
G3?	S3?	N	N	PANOPEA BITRUNCATA	ATLANTIC GEODUCK
G2	S2	N	N	PTYCHOBRANCHUS JONESI	JONES' LAMPSILID CLAM
G2	S2	C2	N	VILLOSA CHOCTAWENSIS	ATHEARN'S VILLOSA
ARACHNIDA: AMBLYPYGI					
U	U	N	N	PARAPHRYNUS RAPTATOR	DUSKY-HANDED TAILLESS WHIP SCORPION
ARACHNIDA: ARANEAE					
U	U	C2	N	CESONIA IRVINGI	KEY GNAPHOSID SPIDER
U	U	C2	N	CYCLOCOSMIA TORREYA	TORREYA TRAP-DOOR SPIDER
U	U	N	N	EUSTALA ELEUTHRA	ORB WEAVER
U	U	N	N	GEOLYCOSA XERA	MCCRONE'S BURROWING WOLF SPIDER
U	U	N	N	HABROCESTUM PARVULUM	JUMPING SPIDER
U	U	N	N	LATRODECTUS BISHOPI	RED WIDOW SPIDER
U	U	C2	N	LYCOSA ERICETICOLA	ROSEMARY WOLF SPIDER
U	U	N	N	PHIDIPPUS XERUS	JUMPING SPIDER
U	U	C2	N	SOSIPPUS PLACIDUS	LAKE PLACID FUNNEL WOLF SPIDER
U	U	N	N	SPHODROS ABBOTI	PURSE-WEB SPIDER
U	U	N	N	UMMIDIA SP 1	
MALACOSTRACA: DECAPODA					
G4	S3S4	N	N	ARATUS PISONII	MANGROVE CRAB
G2	S2	N	N	CAMBARUS CRYPTODYTES	DOUGHERTY PLAIN CAVE CRAYFISH

FLORIDA NATURAL AREAS INVENTORY

MARCH 1986

SPECIAL INVERTEBRATES LIST

GLOBAL RANK	STATE RANK	FED STATUS	ST STATUS	NAME	COMMON NAME
G5	S4	N	N	GONIOPSIS CRUENTATA	MANGROVE CRAB
G1	S1	C1	N	PALAEMONETES CUMMINGI	FLORIDA CAVE SHRIMP
G1	S1	C2	N	*PROCAMBARUS ACHERONTIS*	ORLANDO CAVE CRAYFISH
G1	S1	N	N	PROCAMBARUS ERYTHROPS	RED-EYED CAVE CRAYFISH
G1	S1	N	N	PROCAMBARUS FRANZI	ORANGE LAKE CAVE CRAYFISH
G1	S1	N	N	PROCAMBARUS HORSTI	HORST'S CAVE CRAYFISH
G2	S2	N	N	PROCAMBARUS LEITHEUSERI	LEITHEUSER'S CAVE CRAYFISH
G3	S3	N	N	PROCAMBARUS LUCIFUGUS	LIGHT-FLEEING CAVE CRAYFISH
G1	S1	N	N	PROCAMBARUS MILLERI	MILLER'S CAVE CRAYFISH
G2	S2	N	N	PROCAMBARUS ORCINUS	WOODVILLE CAVE CRAYFISH
G2G3	S2S3	N	N	PROCAMBARUS PALLIDUS	PALLID CAVE CRAYFISH
G2	S2	N	N	PROCAMBARUS PICTUS	BLACK CREEK CRAYFISH
G1	S1	N	N	PROCAMBARUS SP 1	A CAVE CRAYFISH
G4?	SH	N	N	SESARMA BENEDICTI	BENEDICT'S WHARF CRAB
G2	S2	N	N	TROGLOCAMBARUS MACLANEI	MCLANE'S CAVE CRAYFISH
U	U	N	N	TROGLOCAMBARUS SP 1	
MALACOSTRACA: ISOPODA					
G1	S1	N	N	CAECIDOTEA HOBBSI	HOBBS' CAVE ISOPOD
U	U	N	N	CAECIDOTEA PARVA	
U	U	N	N	CAECIDOTEA SP 1	
MALACOSTRACA: AMPHIPODA					
G2	S2	C2	N	CRANGONYX GRANDIMANUS	FLORIDA CAVE AMPHIPOD
G2G3	S2S3	C2	N	CRANGONYX HOBBSI	HOBBS' CAVE AMPHIPOD
U	U	N	N	CRANGONYX SP 1	
INSECTA: EPHEMEROPTERA					
U	U	C2	N	DOLANIA AMERICANA	AMERICAN SAND-BURROWING MAYFLY
U	U	C2	N	HOMOEONEURIA DOLANI	BLACKWATER SAND-FILTERING MAYFLY
U	U	C2	N	PSEUDIRON MERIDIONALIS	MERIDION BLACKWATER MAYFLY
INSECTA: ODONATA					
U	U	N	N	ARGIALLAGMA PALLIDULUM	EVERGLADES SPRITE
G2	S2	C1	N	CORDULEGASTER SAYI	SAY'S SPIKETAIL
U	U	N	N	DIDYMOPS FLORIDENSIS	MAIDENCANE CRUISER
U	U	N	N	DROMOGOMPHUS ARMATUS	SOUTHEASTERN RAKELEG
U	U	N	N	ENALLAGMA TRAVIATUM	SLENDER BLUET
U	U	N	N	ERPETOGOMPHUS DESIGNATUS	EASTERN RINGTAIL
U	U	N	N	GOMPHAESCHNA ANTILOPE	SOOTY DARNER
U	U	N	N	GOMPHUS CAVILLARIS	SANDHILL CLUBTAIL
U	U	N	N	GOMPHUS DIMINUTUS	DIMINUTIVE CLUBTAIL
U	U	N	N	GOMPHUS GEMINATUS	TWIN-STRIPED CLUBTAIL
U	U	N	N	GOMPHUS HODGESI	HODGES' CLUBTAIL
U	U	N	N	GOMPHUS HYBRIDUS	COCOA CLUBTAIL
U	U	N	N	GOMPHUS MODESTUS	GULF CLUBTAIL
U	U	C2	N	GOMPHUS TOWNESI	BRONZE CLUBTAIL DRAGONFLY
U	U	N	N	GOMPHUS VASTUS	COBRA CLUBTAIL
U	U	N	N	HELOCORDULIA SELYSII	SELYS' SKIMMER
U	U	N	N	HETAERINA AMERICANA	COMMON RUBYWING
U	U	N	N	LESTES INAEQUALIS	ELEGANT DRYAD
U	U	N	N	LIBELLULA JESSEANA	PURPLE CHASER
U	U	N	N	MACROMIA ALLEGHANIENSIS	ALLEGHENY RIVER CRUISER
U	U	N	N	NANNOTHEMIS BELLA	BOG ELF
U	U	C2	N	NEUROCORDULIA CLARA	APALACHICOLA TWILIGHT SKIMMER DRAGONFLY
U	U	N	N	NEUROCORDULIA MOLESTA	SMOKY SHADOWFLY
U	U	N	N	NEUROCORDULIA OBSOLETA	UMBER SHADOWFLY
U	U	N	N	PROGOMPHUS ALACHUENSIS	TAWNY SAND CLUBTAIL
U	U	C2	N	PROGOMPHUS BELLEI	BELLE'S SAND CLUBTAIL
G1G3	U	C1	N	SOMATOCHLORA CALVERTI	CALVERT'S EMERALD
U	U	N	N	SOMATOCHLORA GEORGIANA	COPPERY EMERALD
U	U	N	N	STYLURUS LAURAE	LAURA'S CLUBTAIL
U	U	N	N	STYLURUS POTULENTUS	YELLOW-SIDED CLUBTAIL
U	U	N	N	STYLURUS TOWNESI	TOWNES' CLUBTAIL
G4G5	U	N	N	TACHOPTERYX THOREYI	GRAY PETALTAIL
U	U	N	N	TETRACONEURIA SPINOSA	ROBUST TONGTAIL
INSECTA: ORTHOPTERA					
U	U	C2	N	BELOCEPHALUS MICANOPY	BIG PINE KEY CONEHEAD
U	U	C2	N	BELOCEPHALUS SLEIGHTI	KEYS SHORT-WINGED CONEHEAD
U	U	C2	N	CYCLOPTILUM IRREGULARIS	KEYS SCALY CRICKET
U	U	C2	N	TETTIGIDEA EMPEDONEPIA	TORREYA PYGMY GRASSHOPPER
INSECTA: MALLOPHAGA					
U	U	N	N	ACTORNITHOPHILUS GRANDICEPS	MALLOPHAGA
U	U	N	N	ACUTIFRONS MEXICANUS	MALLOPHAGA
U	U	N	N	ARDEICOLA LOCULATOR	MALLOPHAGA
U	U	N	N	AUSTROMENOPON HAEMATOPI	MALLOPHAGA
U	U	N	N	BRUEELIA DEFICIENS	MALLOPHAGA
U	U	N	N	CICONIPHILUS QUADRIPUSTULATUS	MALLOPHAGA
U	U	N	N	COLPOCEPHALUM FLAVESCENS	MALLOPHAGA
U	U	N	N	COLPOCEPHALUM MYCTERIAE	MALLOPHAGA

SPECIAL INVERTEBRATES LIST

GLOBAL RANK	STATE RANK	FED STATUS	ST STATUS	NAME	COMMON NAME
U	U	N	N	COLPOCEPHALUM OCCIDENTALIS	MALLOPHAGA
U	U	N	N	COLPOCEPHALUM POLYBORI	MALLOPHAGA
U	U	N	N	*COLPOCEPHALUM SCALARIFORME*	*MALLOPHAGA*
U	U	N	N	COLPOCEPHALUM SPINEUM	MALLOPHAGA
U	U	N	N	CRASPEDORRHYNCHUS HALIETI	MALLOPHAGA
U	U	N	N	CRASPEDORRHYNCHUS OBSCURUS	MALLOPHAGA
U	U	N	N	DEGEERIELLA DISCOCEPHALUS	MALLOPHAGA
U	U	N	N	DEGEERIELLA RUFA CARRUTHI	MALLOPHAGA
U	U	N	N	ESTHIOPTERUM BREVICEPHALUM	MALLOPHAGA
U	U	N	N	FALCOLIPEURUS JOSEPHI	MALLOPHAGA
U	U	N	N	FALCOLIPEURUS QUADRIGUTTATUS	MALLOPHAGA
U	U	N	N	FELICOLA SP 1	
U	U	N	N	FREGATIELLA AURIFASCIATA	MALLOPHAGA
U	U	N	N	GRUIMENOPON CANADENSE	MALLOPHAGA
U	U	N	N	HELEONOMUS ASSIMILIS	MALLOPHAGA
U	U	N	N	KURODAIA HALIAEETI	MALLOPHAGA
U	U	N	N	NEOPHILOPTERUS HETEROPYGUS	MALLOPHAGA
U	U	N	N	PECTINOPYGUS FREGATIPHAGUS	MALLOPHAGA
U	U	N	N	PECTINOPYGUS OCCIDENTALIS	MALLOPHAGA
U	U	N	N	PIAGETIELLA BURSAEPELECANI	MALLOPHAGA
U	U	N	N	*QUADRACEPS AURATUS*	*MALLOPHAGA*
U	U	N	N	QUADRACEPS GIEBELI	MALLOPHAGA
U	U	N	N	QUADRACEPS NYCHTHEMERUS	MALLOPHAGA
U	U	N	N	SAEMUNDSSONIA HAEMATOPI	MALLOPHAGA
U	U	N	N	SAEMUNDSSONIA MELANOCEPHALUS	MALLOPHAGA
U	U	N	N	TRICHODECTES PINGUIS EUARCTIDOS	MALLOPHAGA

INSECTA: COLEOPTERA

GLOBAL RANK	STATE RANK	FED STATUS	ST STATUS	NAME	COMMON NAME
U	U	N	N	ACANTHOCERUS AENEUS	SCARAB BEETLE
U	U	C2	N	ANOMALA EXIGUA	EXIGUOUS ANOMALA SCARAB BEETLE
U	U	C2	N	ANOMALA EXIMIA	ARCHBOLD ANOMALA SCARAB BEETLE
U	U	N	N	*ANOMALA FLAVIPENNIS OKALOUSENSIS*	*SCARAB BEETLE*
U	U	N	N	ANOMALA ROBINSONI	SCARAB BEETLE
U	U	N	N	APHODIUS AEGROTUS	SCARAB BEETLE
U	U	N	N	APHODIUS HALDEMANI	SCARAB BEETLE
U	U	N	N	APHODIUS LAEVIGATUS	SCARAB BEETLE
U	U	C2	N	*APHODIUS TROGLODYTES*	APHODIUS TORTOISE COMMENSAL SCARAB BEETLE
U	U	N	N	APHOTAENIUS CAROLINUS	SCARAB BEETLE
U	U	N	N	ATAENIUS BREVICOLLIS	SCARAB BEETLE
U	U	N	N	ATAENIUS HAVANENSIS	SCARAB BEETLE
U	U	N	N	ATAENIUS RUDELLUS	SCARAB BEETLE
U	U	N	N	ATAENIUS SARAMARI	SCARAB BEETLE
U	U	N	N	ATAENIUS SCIURUS	SCARAB BEETLE
U	U	N	N	ATAENIUS STROHECKERI	SCARAB BEETLE
U	U	C2	N	ATAENIUS SUPERFICIALIS	BIG PINE KEY ATAENIUS DUNG BEETLE
U	U	C2	N	ATAENIUS WOODRUFFI	WOODRUFF'S ATAENIUS DUNG BEETLE
U	U	N	N	BOLBOCEROSOMA HAMATUM	SCARAB BEETLE
U	U	C2	N	COPRIS GOPHERI	COPRIS TORTOISE COMMENSAL SCARAB BEETLE
U	U	N	N	COPRIS HOWDENI	SCARAB BEETLE
U	U	N	N	COTINIS SP 1	SCARAB BEETLE
U	U	N	N	CREMASTOCHEILUS SQUAMULOSUS	SCARAB BEETLE
U	U	C2	N	CYCLOCEPHALA MIAMIENSIS	MIAMI ROUNDHEAD SCARAB BEETLE
U	U	C2	N	DESMOPACHRIA CENCHRAMIS	FIG SEED DIVING BEETLE
U	U	N	N	DIPLOTAXIS RUFA	SCARAB BEETLE
U	U	N	N	EUCANTHUS ALUTACEUS	SCARAB BEETLE
U	U	C2	N	GRONOCARUS MULTISPINOSUS	SPINY FLORIDA SANDHILL SCARAB BEETLE
U	U	N	N	HYPOTRICHIA SPISSIPES	SCARAB BEETLE
U	U	C2	N	MICRONASPIS FLORIDANA	FLORIDA INTERTIDAL FIREFLY
U	U	N	N	MYCOTRUPES CARTWRIGHTI	SCARAB BEETLE
U	U	N	N	MYCOTRUPES GAIGEI	SCARAB BEETLE
U	U	C2	N	MYCOTRUPES PEDESTER	SCRUB ISLAND BURROWING SCARAB BEETLE
U	U	C2	N	NICROPHORUS AMERICANUS	
U	U	N	N	ONTHOPHAGUS ACICULATULUS	SCARAB BEETLE
U	U	C2	N	ONTHOPHAGUS POLYPHEMI POLYPHEMI	ONTHOPHAGUS TORTOISE COMMENSAL SCARAB BEETLE
U	U	C2	N	ONTHOPHAGUS POLYPHEMI SPARSISETOSUS	ONTHOPHAGUS TORTOISE COMMENSAL SCARAB BEETLE
U	U	N	N	PELTOTRUPES PROFUNDUS	SCARAB BEETLE
U	U	C2	N	PELTOTRUPES YOUNGI	OCALA BURROWING SCARAB BEETLE
U	U	C2	N	PHOTURIS BRUNNIPENNIS FLORIDANA	EVERGLADES BROWNWING FIREFLY
U	U	C2	N	PHOTURIS SP 1	TURTLE MOUND FIREFLY
U	U	N	N	PHYLLOPHAGA ELIZORIA	SCARAB BEETLE
U	U	N	N	PHYLLOPHAGA ELONGATA	SCARAB BEETLE
U	U	N	N	PHYLLOPHAGA OKEECHOBEA	SCARAB BEETLE
U	U	N	N	PHYLLOPHAGA OVALIS	SCARAB BEETLE
U	U	N	N	PHYLLOPHAGA PANORPA	SCARAB BEETLE
U	U	N	N	PHYLLOPHAGA YOUNGI	SCARAB BEETLE
U	U	C2	N	POLYLAMINA PUBESCENS	WOOLY GULF DUNE SCARAB BEETLE
U	U	N	N	PSEUDATAENIUS WALTHERHORNI	SCARAB BEETLE
U	U	N	N	RUTELA FORMOSA	SCARAB BEETLE
U	U	N	N	SERICA DELICATA	SCARAB BEETLE
U	U	C2	N	SERICA FROSTI	FROST'S SPRING SERICAN SCARAB BEETLE
U	U	N	N	SERICA PUSILLA	SCARAB BEETLE
U	U	N	N	SERICA RHYPHA	SCARAB BEETLE
U	U	C2	N	SERICA TANTULA	TANTULA SERICAN SCARAB BEETLE
U	U	C2	N	TRIGONOPELTASTES FLORIDANA	SCRUB PALMETTO FLOWER SCARAB BEETLE
U	U	C2	N	TROX HOWELLI	CARACARA COMMENSAL SCARAB BEETLE

SPECIAL INVERTEBRATES LIST

GLOBAL RANK	STATE RANK	FED STATUS	ST STATUS	NAME	COMMON NAME
INSECTA: TRICHOPTERA					
U	U	N	N	AGARODES LIBALIS	SPRING-LOVING PSILONEURAN CADDISFLY
U	U	C2	N	AGARODES ZICZAC	ZIGZAG BLACKWATER RIVER CADDISFLY
U	U	C2	N	CERACLEA FLORIDANA	BANKS' FLORIDA CERACLEAN CADDISFLY
U	U	N	N	CERNOTINA TRUNCONA	FLORIDA CERNOTINAN CADDISFLY
U	U	N	N	CHEUMATOPSYCHE PETERSI	PETERS' CHEUMATOPSYCHE CADDISFLY
U	U	N	N	CHIMARRA FLORIDA	FLORIDIAN FINGER-NET CADDISFLY
U	U	N	N	HYDROPTILA BERNERI	BERNER'S MICROCADDISFLY
U	U	N	N	HYDROPTILA MOLSONAE	MOLSON'S MICROCADDISFLY
U	U	N	N	NEOTRICHIA ELEROBI	ELEROB'S MICROCADDISFLY
U	U	C2	N	OCHRUTRICHIA PROVUSTI	PROVOST'S MICROCADDISFLY
U	U	N	N	OECETIS DAYTONA	DAYTONA LONG-HORNED CADDISFLY
U	U	C2	N	OECETIS PARVA	BANKS' LITTLE SETODINE CADDISFLY
U	U	N	N	OECETIS PRATELIA	LITTLE MEADOW LONG-HORNED CADDISFLY
U	U	N	N	ORTHOTRICHIA CURTA	SHORT ORTHOTRICHIAN MICROCADDISFLY
U	U	N	N	ORTHOTRICHIA DENTATA	DENTATE ORTHOTRICHIAN MICROCADDISFLY
U	U	N	N	ORTHOTRICHIA INSTABILIS	CHANGEABLE ORTHOTRICHIAN MICROCADDISFLY
U	U	C2	N	OXYETHIRA FLORIDA	DENNING'S FLORIDA OXYETHIRAN MICROCADDISFLY
U	U	N	N	OXYETHIRA NOVASOTA	NOVASOTA OXYETHIRAN MICROCADDISFLY
U	U	N	N	OXYETHRIA JANELLA	LITTLE-ENTRANCE OXYETHIRAN MICROCADDISFLY
U	U	N	N	TRIAENODES FLORIDA	FLORIDIAN TRIAENODE CADDISFLY
U	U	N	N	TRIAENODES FURCELLA	LITTLE-FORK TRIAENODE CADDISFLY
U	U	C2	N	TRIAENODES TRIDONTA	THREE-TOOTH TRIAENODES CADDISFLY
INSECTA: LEPIDOPTERA					
U	U	C2	N	ANAEA FLORIDALIS	FLORIDA LEAFWING
U	U	N	N	CHLOROSTRYMON MAESITES MAESITES	MAESITES HAIRSTREAK
U	S1	C2	N	EUMAEUS ATALA FLORIDA	FLORIDA ATALA
U	U	N	N	EUNICA TATILA TATILISTA	FLORIDA PURPLEWING
U	U	C2	N	HEMIARGUS THOMASI BETHUNE-BAKERI	MIAMI BLUE BUTTERFLY
G4?T3?	S?	N	N	HERACLIDES ANDRAEMON BONHOTEI	BAHAMAN SWALLOWTAIL
G4?T1	S1	LE	LE	HERACLIDES ARISTODEMUS PONCEANUS	SCHAUS' SWALLOWTAIL
U	U	3C	N	MITOURA HESSELI	HESSEL'S HAIRSTREAK BUTTERFLY
U	U	N	N	PROSERPINUS CAURAE	CAURA SPHINX
U	U	C2	N	PYREFERRA CEROMATICA	CEROMATIC NOCTUID MOTH
U	U	C2	N	STRYMON ACIS BARTRAMI	BARTRAM'S HAIRSTREAK
INSECTA: DIPTERA					
U	U	C2	N	ASAPHOMYIA FLORIDENSIS	FLORIDA ASAPHOMYIAN TABANBID FLY
U	U	C2	N	MERYCOMYIA BRUNNEA	BROWN MERYCOMYIAN TABANID FLY
U	U	C2	N	MIXOGASTER DELONGI	DELONG'S MIXOGASTER FLOWER FLY
U	U	C2	N	NEMAPALPUS NEARCTICUS	SUGARFOOT FLY

FLORIDA NATURAL AREAS INVENTORY

NATURAL COMMUNITIES LIST

04/07/88

GLOBAL RANK	STATE RANK	NAME
** TERRESTRIAL		
* XERIC UPLANDS		
G3	S2	SCRUB
G4	S3	SANDHILL
G3	S2	XERIC HAMMOCK
G3	S3	SCRUBBY FLATWOODS
* MESIC FLATLANDS		
G5	S5	MESIC FLATWOODS
G4	S4	PRAIRIE HAMMOCK
G2	S2	DRY PRAIRIE
* ROCKLANDS		
G2	S1	PINE ROCKLAND
G3	S2	ROCKLAND HAMMOCK
G3	S2	SINKHOLE
* MESIC UPLANDS		
G5	S4	UPLAND PINE FOREST
G4	S4	UPLAND MIXED FOREST
G4	S3	UPLAND HARDWOOD FOREST
G2	S1	UPLAND GLADE
G3	S2	SLOPE FOREST
G3	S2	BLUFF
* COASTAL UPLANDS		
G3	S1	COASTAL ROCK BARREN
G4	S3	BEACH DUNE
G3	S3	COASTAL STRAND
G4	S3	MARITIME HAMMOCK
G3	S2	COASTAL BERM
G3	S3	OVERWASH PLAIN
G3	S3	SHELL MOUND

GLOBAL RANK	STATE RANK	NAME
** PALUSTRINE		
* FLOODPLAIN WETLANDS		
G4	S4	FLOODPLAIN FOREST
G4	S4	FLOODPLAIN SWAMP
G3	S3	FLOODPLAIN MARSH
G4	S4	STRAND SWAMP
G5	S5	SLOUGH
G4	S3	SWALE
G4	S3	BOTTOMLAND FOREST
G3	S3	FRESHWATER TIDAL SWAMP
* BASIN WETLANDS		
G5	S5	DOME
G5	S5	DEPRESSION MARSH
G4	S3	BASIN MARSH
G5	S4	BASIN SWAMP
G4	S3	BOG
* WET FLATLANDS		
G5	S4	WET PRAIRIE
G4	S4	WET FLATWOODS
G4	S3	MARL PRAIRIE
G4	S3	HYDRIC HAMMOCK
* SEEPAGE WETLANDS		
G4	S3	SEEPAGE SLOPE
G4	S4	BAYGALL

GLOBAL RANK	STATE RANK	NAME
** LACUSTRINE		
G3	S2	CLASTIC UPLAND LAKE
G4	S4	MARSH LAKE
G3	S2	SANDHILL UPLAND LAKE
G4	S3	FLATWOODS/PRAIRIE LAKE
G4	S3	SWAMP LAKE
G4	S2	RIVER FLOODPLAIN LAKE
G2	S1	COASTAL DUNE LAKE
G2	S1	COASTAL ROCKLAND LAKE
G3	S3	SINKHOLE LAKE
** RIVERINE		
G4	S2	SEEPAGE STREAM
G4	S2	ALLUVIAL STREAM
G4	S2	BLACKWATER STREAM
G2	S2	SPRING-RUN STREAM
** SUBTERRANEAN		
G3	S2	AQUATIC CAVE
G3	S1	TERRESTRIAL CAVE

FLORIDA NATURAL AREAS INVENTORY

NATURAL COMMUNITIES LIST

GLOBAL RANK	STATE RANK	NAME
** MARINE		
* FAUNAL BASED		
G2	S1	MARINE OCTOCORAL BED
G2	S2	MARINE SPONGE BED
G2	S1	MARINE CORAL REEF
G3	S3	MARINE MOLLUSK REEF
G1	S1	MARINE WORM REEF
* FLORAL BASED		
G4	S4	MARINE TIDAL MARSH
G3	S3	MARINE TIDAL SWAMP
G3	S2	MARINE ALGAL BED
G2	S2	MARINE GRASS BED
* MINERAL BASED		
G3	S3	MARINE CONSOLIDATED SUBSTRATE
G5	S5	MARINE UNCONSOLIDATED SUBSTRATE
G3	S3	MARINE COMPOSITE SUBSTRATE

GLOBAL RANK	STATE RANK	NAME
** ESTUARINE		
* FAUNAL BASED		
G2	S1	ESTUARINE OCTOCORAL BED
G2	S2	ESTUARINE SPONGE BED
G2	S1	ESTUARINE CORAL REEF
G3	S3	ESTUARINE MOLLUSK REEF
G1	S1	ESTUARINE WORM REEF
* FLORAL BASED		
G4	S4	ESTUARINE TIDAL MARSH
G3	S3	ESTUARINE TIDAL SWAMP
G3	S2	ESTUARINE ALGAL BED
G2	S2	ESTUARINE GRASS BED
* MINERAL BASED		
G3	S3	ESTUARINE CONSOLIDATED SUBSTRATE
G5	S5	ESTUARINE UNCONSOLIDATED SUBSTRATE
G3	S3	ESTUARINE COMPOSITE SUBSTRATE

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FLORIDA NATURAL COMMUNITIES

Terrestrial

Lands not regularly inundated or saturated and characterized by upland vegetation.

Scrub - old dune with deep fine white sand substrate; xeric; subtropical; occasional or rare fire; vegetation characterized by sand pine and/or scrub oaks and/or rosemary and cladonia.

Sandhill - upland with deep sand substrate; xeric; temperate; annual or frequent fire; vegetation characterized by longleaf pine and/or turkey oak with wiregrass understory.

Xeric Hammock - upland with deep sand substrate; xeric-mesic; subtropical or temperate; rare or no fire; vegetation characterized by live oak.

Upland Pine Forest - upland with sand substrate; mesic-xeric; temperate; frequent or occasional fire; vegetation characterized by shortleaf pine and/or loblolly pine and/or longleaf pine and red oak and wiregrass.

Upland Mixed Forest - upland with sand/clay substrate; mesic; temperate; rare or no fire; vegetation characterized by loblolly pine and/or shortleaf pine and/or laurel oak and/or magnolia and spruce pine and/or mixed hardwoods.

Upland Hardwood Forest - upland with clay substrate; mesic; temperate; rare or no fire; vegetation characterized by spruce pine, magnolia, beech, pignut hickory, white oak, and mixed hardwoods.

Slope Forest - steep slope on bluff or in sheltered ravine; sand/clay substrate; mesic-hydric; temperate; rare or no fire; vegetation characterized by magnolia, beech, spruce pine, Shumard oak, Florida maple, pyramid magnolia, and mixed hardwoods.

Mesic Flatwoods - flatland with sand substrate; mesic; subtropical; frequent fire; vegetation characterized by slash pine or longleaf pine with saw palmetto, gallberry and/or wiregrass understory.

Scrubby Flatwoods - flatland with sand substrate; xeric-mesic; subtropical; occasional fire; vegetation characterized by longleaf pine or slash pine with scrub oaks and wiregrass understory.

Pine Rockland - flatland with exposed limestone substrate; mesic-xeric; tropical; frequent fire; vegetation characterized by South Florida slash pine.

Rockland Hammock - flatland with limestone substrate; mesic; tropical or subtropical; rare or no fire; vegetation characterized by mixed hardwoods.

Dry Prairie - flatland with sand substrate; mesic-xeric; subtropical; annual or frequent fire; vegetation characterized by wiregrass, saw palmetto, and mixed grasses and herbs.

Prairie Hammock - flatland with sand/organic soil over marl or limestone substrate; mesic; subtropical; occasional or rare fire; vegetation characterized by live oak and/or cabbage palm.

Sinkhole - karst feature with steep limestone walls; mesic-hydric; tropical, subtropical, or temperate; no fire; vegetation characterized by ferns, herbs, shrubs, and hardwoods.

Beach Dune - active coastal dune with sand substrate; xeric; tropical, subtropical or temperate; occasional or rare fire; marine influence; vegetation characterized by sea oats and/or mixed halophytic grasses and herbs.

Coastal Strand - stabilized coastal dune with sand substrate; xeric; tropical, subtropical, or temperate; occasional or rare fire; marine influence; vegetation characterized by dense saw palmetto and/or seagrape and/or mixed stunted shrubs, yucca, and cacti.

Maritime Hammock - stabilized coastal dune with sand substrate; xeric-mesic; tropical, subtropical, or temperate; rare or no fire; marine influence; vegetation characterized by mixed hardwoods and/or live oak.

Overwash Plain - coastal flatland with sand substrate; mesic-hydric; tropical, subtropical, or temperate; frequent or occasional fire; marine influence; vegetation characterized by slash pine and/or cabbage palm or buttonwood and/or mixed halophytic shrubs and herbs.

Coastal Berm - old bar or storm debris ridge with sand/shell substrate; xeric-mesic; tropical or subtropical; rare or no fire; marine influence; vegetation characterized by buttonwood, and/or mixed halophytic herbs, shrubs, and/or trees.

Coastal Rock Barren - flatland with exposed limestone substrate; xeric; tropical; no fire; marine influence; vegetation characterized by algae and mixed halophytic herbs, and/or cacti and stunted shrubs.

Shell Mound - Indian midden with shell substrate; xeric-mesic; tropical or subtropical; rare or no fire; marine influence; vegetation characterized by mixed hardwoods.

Upland Glade - upland with calcareous rock and/or clay substrate; hydric-xeric; temperate; vegetation characterized by sparse mixed grasses and herbs with occasional stunted trees and shrubs.

Bluff - steep slope with rock, sand, and/or clay substrate; hydric-xeric; temperate; sparse vegetation characterized by mixed grasses, herbs, and shrubs.

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FLORIDA NATURAL COMMUNITIES

Palustrine

Lands regularly inundated or saturated by freshwater and characterized by wetland vegetation.

Bottomland Forest - flatland with sand/clay/organic substrate; occasionally inundated; temperate; rare or no fire; vegetation characterized by 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; subtropical or temperate; rare or no fire; vegetation characterized by diamondleaf oak, overcup oak, water oak, swamp chestnut oak, blue palmetto, cane, and mixed hardwoods.

Floodplain Swamp - floodplain with organic/alluvial substrate; usually inundated; subtropical or temperate; rare or no fire; vegetation characterized by cypress, tupelo, blackgum, 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; vegetation characterized by cypress, bays, cabbage palm, gums, and/or cedars.

Floodplain Marsh - floodplain with organic/sand/alluvial substrate; seasonally inundated; subtropical; frequent or occasional fire; vegetation characterized by maidencane, pickerel weed, sagittaria, buttonbush, and mixed emergents.

Strand Swamp - broad, shallow channel with peat over mineral substrate; seasonally inundated; flowing water; tropical or subtropical; occasional or rare fire; vegetation characterized by cypress and/or willow.

Slough - broad, shallow channel with peat over mineral substrate; usually inundated; flowing water; tropical or subtropical; rare or no fire; vegetation characterized by pop ash and/or pond apple or waterlily.

Swale - broad, shallow channel with sand/peat substrate; seasonally inundated; flowing water; tropical or subtropical; frequent or occasional fire; vegetation characterized by maidencane, pickerel weed, and/or mixed emergents.

Dome - rounded depression in sand/limestone substrate with peat accumulating toward center; seasonally inundated; still water; tropical, subtropical, or temperate; occasional or rare fire; woody vegetation tallest in center, characterized by cypress, blackgum, or bays.

Depression Marsh - rounded depression in sand substrate with peat accumulating toward center; seasonally inundated; still water; tropical, subtropical, or temperate; frequent or occasional fire; vegetation in concentric bands, characterized by maidencane, fire flag, pickerel weed, and mixed emergents.

Basin Swamp - 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.

Basin Marsh - basin with peat substrate; seasonally inundated; temperate or subtropical; frequent fire; vegetation characterized by sawgrass and/or cattail and/or buttonbush and/or mixed emergents.

Baygall - wetland at base of slope with peat substrate; maintained by downslope seepage--usually saturated, occasionally inundated; subtropical or temperate; rare or no fire; vegetation characterized by bays and/or dahoon holly and/or red maple and/or mixed hardwoods.

Bog - wetland on deep peat substrate; maintained by capillary action--soil usually saturated, occasionally inundated; subtropical or temperate; rare fire; vegetation characterized by sphagnum moss and titi and/or bays and/or dahoon holly, and/or mixed hydrophytic shrubs.

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; vegetation characterized by sphagnum moss with pond pine and/or mixed grasses and herbs or mixed hydrophytic shrubs.

Wet Prairie - flatland with sand substrate; seasonally inundated; subtropical or temperate; annual or frequent fire; vegetation characterized by maidencane, beakrush, spikerush, wiregrass, St. John's Wort, mixed herbs.

Marl Prairie - flatland with marl over limestone substrate; seasonally inundated; tropical; frequent to no fire; vegetation characterized by 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.

Hydric Hammock - lowland with sand/clay/organic soil, often over limestone; mesic-hydric; subtropical or temperate; rare or no fire; vegetation characterized by water oak, cabbage palm, red cedar, red maple, bays, hackberry, hornbeam, blackgum, needle palm, and mixed hardwoods.

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FLORIDA NATURAL COMMUNITIES

Lacustrine

Lentic waters of natural topographic depressions. Emergent vegetation is confined to the perimeter, if present; floating and submersed aquatics may be found throughout.

Clastic Upland Lake - generally irregular basin in clay uplands; predominantly with inflows, frequently without surface outflow; clay or organic substrate; characteristically colored, acidic, soft water with low mineral content (sodium, chloride, sulfate); oligo-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; characteristically clear, acidic, moderately soft water with varying mineral content; ultra-oligotrophic to mesotrophic.

Flatwood/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.

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.

River Floodplain Lake - meander scar, backwater, or larger flow-through body within major river floodplains; sand, alluvial or organic substrate; characteristically colored, alkaline or slightly acidic, hard or moderately hard water with high mineral content (sulfate, sodium, chloride, calcium, magnesium); 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; characteristically slightly acidic, hard water with high mineral content (sodium, chloride).

Coastal Rockland Lake - shallow basin influenced 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); characteristically slightly alkaline, hard water with high mineral content (sodium, chloride).

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; characteristically clear, alkaline, hard water with high mineral content (calcium, bicarbonate, magnesium).

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FLORIDA NATURAL COMMUNITIES

Riverine

Natural lotic waters from the source of origin downstream to the limits of tidal influence and bounded by a channel bank.

Seepage Stream - upper perennial or intermittent/seasonal watercourse characterized by clear to lightly colored water derived from shallow groundwater seepage

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

Spring-run Stream - perennial watercourse with deep aquifer headwaters and characterized by clear water, circumneutral pH and, frequently, a solid limestone bottom

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FLORIDA NATURAL COMMUNITIES

Subterranean

Twilight, middle and deep zones of natural chambers overlain by the earth's crust and characterized by climatic stability and assemblages of trogloxenic, troglophilic, and troglobitic organisms.

Aquatic Cave - cavernicolous area permanently or periodically submerged; often characterized by troglobitic 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

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FLORIDA NATURAL COMMUNITIES

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 limerock and relic reefs); octocorals, sponges, stony corals, nondrift macrophytic algae, blue-green mat-forming algae and seagrasses sparse, if present.

Unconsolidated Substrate - expansive subtidal, intertidal and supratidal area composed primarily of loose mineral matter (e.g., coralgal, 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

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 elliottii*

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 tulipfera*

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*

Appendix B. Explanation and examples of Element Occurrence Records.

FLORIDA NATURAL AREAS INVENTORY 6/86

Explanation Sheet for Element Occurrence Records

An **element** is any exemplary or rare component of the natural environment, such as a species, plant community, bird rookery, spring, sinkhole, cave or other ecological feature. An **element occurrence** (EO) represents the locational record of an element and is a single extant habitat which sustains or otherwise contributes to the survival of a population or a distinct, self-sustaining example of a particular natural community. The major function of the Florida Natural Areas Inventory is to define the state's elements of natural diversity, then collect locational information about where the elements occur throughout the state. The **element occurrence record** (EOR) is the form used to process and enter element occurrences into the computerized data base.

EOCODE: unique alpha-numeric code for each element occurrence, FNAI staff use only

NAME: scientific name or other formal name for this element, only from FNAI element classification

COMNAME: common name of element, standardized for Florida

MARGNUM: 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 system on USGS 7.5 minute quad maps

IDENT: Y or N--has identity of element at this location been confirmed by reliable source?

EORANK: quality of this occurrence--A=excellent, B=good, C=marginal,D=poor, X=destroyed

EORANKCOMM: comments to support EORANK

SURVEYDATE: date on which the EORANK is based

LASTOBS: date element last observed at this site (e.g. 1982-09-26)

FIRSTOBS: year element was first recorded from this site

GRANK: global element rank (priority) assigned by FNAI staff

- G1 = critically imperiled globally
- G2 = imperiled globally
- G3 = very rare & local throughout range or found locally in a restricted range
- G4 = apparently secure globally (may be rare in parts of range)
- G5 = demonstrably secure globally
- GA = accidental in North America, i.e. not part of the established biota
- GH = of historical occurrence throughout range, may be rediscovered (e.g. ivory-billed woodpecker)
- GU = possibly in peril range-wide, more information needed
- GX = believed to be extinct throughout range
- G#T# =rank of taxonomic subgroup such as subspecies or variety; numbers have same definition as above
- G#Q = rank of questionable species, e.g. ranked as species, but questionable if it is species or subspecies; numbers have same definition as above

SRANK: state element rank (priority) assigned by FNAI staff, definition parallels global element rank: substitute "S" for "G" in above global ranks, and "in state" for "globally" in above global rank definitions

STATE: Florida

COUNTYNAME: the two-letter abbreviation for the state, followed by first four letters of all county names; centroid/major county first

QUADCODE: centroid/major quad code first, then any additional quads that the EO covers partly or fully

QUADNAME: USGS names of all USGS 7.5 minute quads this EO is on, centroid quad first

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.

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
TOWNRANGE:	township-range that EO centroid is in
SECTION:	section that EO centroid is in
MERIDIAN:	Tallahassee (TA) meridian for Florida
TRSCOMM:	township, range, section information not covered by other fields, such as quarter-quarter section (e.g. NE4NE4)
PHYSPROV:	physiographic province of EO, standardized for state
WATERSHED:	standardized code for centroid from USGS basins
DIRECTIONS:	how to get to EO from readily identifiable landmarks
GENDESC:	general description of the setting for the EO
ELEV:	elevation of centroid in feet mean sea level
SIZE:	size in acres of EO; 0 means acreage unknown
EODATA:	description of element at site, e.g., numbers, size, condition, viability
COMMENTS:	general information not included in other fields
MACODE1:	if EO is wholly or mostly on a managed area (MA), FNAI code for the smallest, most protected managed area EO is on
CONTAINED1:	whether the EO is wholly contained in the above managed area
MACODE2:	if EO is also on a larger MA or extends onto another MA, FNAI code for this MA
CONTAINED2:	whether the EO is wholly contained in above MA (MA 2)
MACODE3:	if EO is wholly or partially contained in a still larger MA, FNAI code for this MA
CONTAINED3:	whether the EO is wholly contained in above MA (MA 3)
ADDLMAS:	whether the EO extends onto additional MA's other than MA 1, 2, 3
MORELAND:	whether more land is needed to protect the EO which is only partially on an MA
MOREPROT:	whether the EO needs more legal protection on the MA(s) it occurs on
MOREMGMT:	whether more or better management is needed to protect the EO
SITECODE:	a code assigned by FNAI for preserve design
SITENAME:	name assigned to the site during field work or commonly associated with the site
OWNER:	name of principal owner (private only) of principal tract
OWNERCOMM:	comments about owner: address, intentions for land, etc.
PROTCOMM:	comments on new or additional legal protection needed for EO
MGMTCOMM:	comments on new or additional management needed for EO
MONITOR:	name of knowledgeable individual willing to check the EO status upon request, last name first
MONITORNUM:	area code and phone number of MONITOR
BESTSOURCE:	the single best source of information on this EO, preferably a person
SOURCECODE:	standardized code for all sources dealing with this EO; best source code first
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
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
OWNERINFO:	Y if additional information on the owner is in GMF
TRANSCRIBR:	initials of person and date of transcription--processing of data for the EOR in preparation for mapping
CDREV:	Y if county of distribution map has been revised to show this EO
MAPPER:	initials of person and date EO is plotted onto data base quad maps and map based information entered onto EOR
QC:	Y if EOR has been completely quality controlled
UPDATE:	initials of person & date of most recent change in computerized EOR

FLORIDA NATURAL AREAS INVENTORY - ELEMENT OCCURRENCE RECORD

eocode: PDLAM0D040.030 10/03/88
name: CONRADINA GRANDIFLORA
comname: LARGE-FLOWERED ROSEMARY
margnum: 50 tenten: 2,10 ident: Y eorank:
eorankcomm:
surveydate: 1988-05-04
lastobs: 1988-05-04 firstobs: 1988
grank: G3 srank: S3
countyname: FLMART state: FL
quadcode: 2708011 precision: SC
quadname: HOBE SOUND
lat: 270027 long: 800604
s: 0 n: 0
e: 0 w: 0
townrange: 040S042E section: 12
trscomm: meridian: TA
physprov: AL watershed: 03090202
directions: WATER CO. LAND AT "WHITE HOUSE," E. OF US-1, 0.2 MI N. OF ENTRANCE TO JONATHAN DICKINSON ST. PK.

gendesc: SAND PINE SCRUB

elev: 25 size: 0
eodata: FREQUENT SHRUB ALONG PATHS AND IN OPENINGS IN WHITE SAND SCRUB. (NOT FLOWERING).

comments:

macode1: contained1:
macode2: contained2:
macode3: contained3:
addlmas: moreland:
moreprot: moremgmt:
sitecode:
sitename:
owner: HOBE SOUND WATER CO.-NAT REED
ownercomm:
protcomm: DUE TO BE TRANSFERED TO HOBE SOUND NWR -- P88MAR02.
mgmtcomm:
monitor: monitornum:
bestsource: JOHNSON, ANN F. 1988. FIELD SURVEY FOR ASIMINA TETRAMERA -- HOBE SOUND NWR-SOUTH, MARTIN CO., FL. 4 MAY 1988.
sourcecode: F88JOH05FL P88MAR02FL

datasens: boundaries:
photos: ownerinfo:
transcribr: 88-05-22 AFJ cdrev: Y
mapper: 88-05-22 AFJ qc: Y
update: 88-06-24 KK

FLORIDA NATURAL AREAS INVENTORY - ELEMENT OCCURRENCE RECORD

eocode: CTX0000000.003 10/11/88
name: COASTAL GRASSLAND
comname:
margnum: 5 tenten: 3, 6 ident: Y eorank: A
eorankcomm: LARGE UNDISTURBED EXAMPLE
surveydate: 1987-11-22
lastobs: 1987-11-22 firstobs: 1987
grank: G2 srank: S2
countyname: FLBAYX state: FL
quadcode: 3008515 precision: SC
quadname: LONG POINT
lat: 300305 long: 853520
s: 300221 n: 300334
e: 854350 w: 853555
townrange: 005S013W section: 18
trscomm: ALSO SEC19;R13WSEC12 meridian: TA
physprov: GL watershed: 03140101
directions: TYNDALL AIR FORCE BASE NCO BEACH. 1.7 MI E. (ALONG SHORE)OF WHERE BOARDWALK REACHES BEACH

gendesc: ELONGATED RIDGES AND SWALES IN AREA OF BEACH BUILT SINCE 1975

elev: 5 size: 180
eodata: DOMINANT SPECIES IN SWALES: ANDROPOGON GYRANS VAR TENUIS, ANDROPOGON VIRGINICUS, ERAGROSTIS ELLIOTTII, FUIRENA SCIRPOIDES, FIMBRISTYLIS CAROLINIANA; ON RIDGES: SCHIZACHYRIUM MARITIMUM, UNIOLA PANICULATA, PARONYCHIA ERECTA.

comments: COMMUNITY SAMPLED IN TRANSECTS NCO-1 AND NCO-2 (P87JOH01FL).

macode1: FLFAFABTYND1 contained1: Y
macode2: contained2:
macode3: contained3:
addlmas: moreland:
moreprot: moremgmt:
sitecode:
sitename: TYNDALL AIR FORCE BASE
owner: DOD - U.S. AIR FORCE
ownercomm:
protcomm: NO 4-WHEEL DRIVE VEHICLES ALLOWED ON BEACH EXCEPT NATURALIST
mgmtcomm:
monitor: JOE MAPLES PNDMAP02FL monitornum: 904 874-0160
bestsource: JOHNSON, A.F. 1987 FIELD NOTES ON TRIP TO NCO BEACH, TYNDALL A.F.B., BAY CO., FL 22 NOV 1987

sourcecode: P87JOH01FL

datasens: boundaries: Y
photos: ownerinfo: Y
transcribr: 88-08-06 AFJ cdrev: Y
mapper: 88-08-06 AFJ qc: Y
update: 88-09-29 AFJ

FLORIDA NATURAL AREAS INVENTORY. - ELEMENT OCCURRENCE RECORD

eocode: ABPAV06014.365 09/29/88
name: APHELOCOMA COERULESCENS COERULESCENS
comname: FLORIDA SCRUB JAY
margnum: 12 tenten: 8,10 ident: Y eorank:
eorankcomm:
surveydate:
lastobs: 1986- firstobs: 1972
grank: G5T3 srank: S3
countyname: FLBREV state: FL
quadcode: 2808015 2708085 precision: M
quadname: MELBOURNE EAST, GRANT
lat: 280008 long: 803141
s: 0 n: 0
e: 0 w: 0
townrange: 028S038E section: 34
trscomm: ADJACENT TO SEC. 33 meridian: TA
physprov: AL watershed: 03080202
directions: WALT DISNEY WORLD MIDDLE TRACT: [JUST S. OF COCONUT PT.] SEE ATTACHED MAP.

gendesc: COASTAL STRAND

elev: 10 size: 0
eodata: RESIDENT SCRUB JAYS HAVE BEEN OBSERVED ON THE DISNEY MIDDLE TRACT FROM 1972-1986 BY HARDEN.

comments: EXTENT OF EO NEEDS TO BE DETERMINED ON DISNEY MIDDLE TRACT

macode1: contained1:
macode2: contained2:
macode3: contained3:
addlmas: moreland:
moreprot: moremgmt:
sitecode:
sitename: WALT DISNEY WORLD MIDDLE TRACT
owner: WALT DISNEY WORLD COMPANY
ownercomm:
protcomm:
mgmtcomm: MAINTAIN HABITAT SUITABILITY
monitor: monitornum:
bestsource: HARDEN, PATRICIA, G. ENVIRONMENTAL PROTECTION, REEDY CREEK IMPROVEMENT DISTRICT, P.O. BOX 36, LAKE BUENA VISTA, FL 32830.
sourcecode: PNDHAR03FL U86HAR02FL

datasens: boundaries:
photos: ownerinfo:
transcribr: 87-11-13 TAM cdrev: Y
mapper: 88-01-27 HS qc: Y
update: 88-03-16 KK

Appendix C. Community Characterization Abstract for Coastal Grassland.

ELCODE: CTX0000000 STATE: FL
SNAME: COASTAL GRASSLAND

IDCOMMENT: Includes community formerly called "overwash plain".

SAFSYN: None

KUCHSYN: Included in Live oak-Sea oats

USFWSSYN: N/A

CROSSWALK: Davis - included in Coastal Strand; SCS - included in North and South Florida Coastal Strand

OTHERSYN: FNAI=overwash plain, Clewell (1981)=dune prairies, overwash prairies; Harper(1927)=dry savannah; Herwitz (1977)
TAXCOMMENT: and Morrill and Harvey (1980)=savannah; Cooley (1955)= grassland and prairie. Recognized in local and regional treatments of Florida communities.

PHYSIOGNOM: Grasslands +/- scattered islands of shrubs or trees.
BIODESC: Grasslands occupying the undulating ridge-swale topography of broad, low barrier islands and capes. Includes several grasses endemic to the coast, e.g. Schizachyrium maritimum and Eragrostis tracyi.
ENVIRODESC: Found inland of sea oats foredune on low undulating topography. Substrate is quartz sand plus shell fragments on the peninsula; pure quartz sand on the panhandle. Swales are inundated after rains or high storm tides.
OTHFEATURE: Grades into shrubs and trees inland. Successional status requires study. Often found on recently deposited portions of barrier islands or those portions recently denuded by storm overwash.
DOMINSP: Ridges: Schizachyrium maritimum, S. semiberbe, S. scoparium Bouteloua hirsuta, Spartina patens. Swales: Muhlenbergia capillaris, Andropogon virginicus, A. gyrans, A. glomeratus Chloris petraea, Eragrostis spectabilis, Distichlis spicata
OTHERSP1: Ridges: Paronychia erecta, Oenothera humifusa, Physalis angustifolia, P. elliottii var viscosa, Chrysopsis godfreyi, Aristida patula, Trichostema dichotomum, Heterotheca subaxillaris, Opuntia compressa, O. pusilla.
OTHERSP2: Swales: Spartina spartinae, Sabatia stellaris, Hydrocotyle bonariensis. Islands of woody species: Smilax auriculata, Myrica cerifera, Sabal palmetto, Piscidia piscipula, Suriana maritima, Dodonea viscosa, Pithecellobium keyense.
EOEXAMPLES: Crooked Island, Tyndall A.F.B.-006; Cape Canaveral- 012; Cape Romano- 014; Cape Sable, ENP-013.

EOSPLISTS: 003 through 016
EOPLOTDATA: P88JOH01FL -transects at Crooked Island, Bay County

DSTCOMMENT: Ranges from VA to MISS. Grasses found throughout range include: Muhlenbergia capillaris, Spartina patens, Andropogon glomeratus.

SOURCES: PNDJOH01 (Johnson, 1985-6, field notes), B27HAR01, A55C0001 B77HER01, B80MOR01, U78CLE01.

CCAAUTHOR: Ann F. Johnson UPDATE: 88-09-21

Community Characterization Abstract
Field Explanations

ELCODE:	10 byte code unique to each element
SNAME:	name of element used in the state
STATE:	Florida
IDCOMM:	comments on any of the above identifiers
SAFSYN:	SAF synonym; Soc. Am. Foresters (SAF) forest cover type or types which most closely match this community; include # and name
KUCHSYN:	Kuchler synonym; Kuchler potential natural vegetation type or types which match or include this community
USFWSSYN:	USFWS synonym; Cowardin's wetland type or types (adopted by U.S. Fish & Wildlife Service) which most closely match this community
CROSSWALK:	name for same or similar community in other states with two letter state abbreviation in parentheses
OTHERSYN:	other synonyms; other published names for the community, with sources
TAXCOM:	comments on any of the above taxonomic fields
PHYSIOGNOM:	physiognomy of community; forest, shrubland, grassland, savanna, barren and so forth
BIODESC:	general description of the biotic aspects of the community including any diagnostic features within stand and between stand variations and so forth
ENVIRODESC:	general description of the important environmental features of the community including geologic, climatic, and topographic factors
OTHFEATURE:	other diagnostic features which are important in defining or describing the community or which distinguish it from other similar communities
DOMINSP:	dominant plant or animal species; include plants in each layer
OTHERSP1:	other important species in the community such as differential species, indicator species, constant species and so forth. Include the names of the groups of species.
OTHERSP2:	additional important species within their group
EOEXAMPLES:	exemplary element occurrences of the community. Use 3 digit element occurrence code suffix and name of site.
EOSPLISTS:	3 digit element occurrence code suffixes for element occurrences of this community for which species lists have been generated
EOPLOTDATA:	3 digit element occurrence code suffixes for element occurrences of this community for which quantitative data has been collected within plots
DSTCOMMENT:	distribution comments; range of community within the state plus information on its range outside the state
SOURCES:	source codes for best references on the community. optional: authors last name and year of publication.
CCAAUTHOR:	last name of author of this Community Characterization Abstract
UPDATE:	date that this record was created or updated

Appendix D. Coastal Zone Management-supported FNAI staff.

Coastal Botanist/Ecologist - Ann F. Johnson, Ph.D.

Coastal Zoology - Patricia A. MacLaren
John Palis (replaced P. MacLaren)

Research Assistant/Data Handler - Steve Jones

Research Assistant/Data Handler (half time) - Helen A. Shapiro
Susan Carr (replaced H. Shapiro)

Appendix E. Summary of FNAI computerized occurrence records of species and natural communities for coastal counties of Florida.

Alphabetical list of coastal counties of Florida:

Bay
Brevard
Broward
Charlotte
Citrus
Collier
Dade
Dixie
Duval
Escambia
Flagler
Franklin
Gulf
Hernando
Hillsborough
Indian River
Jefferson
Lee
Levy
Manatee
Martin
Monroe
Nassau
Okaloosa
Palm Beach
Pasco
Pinellas
St. Johns
St. Lucie
Santa Rosa
Sarasota
Taylor
Volusia
Wakulla
Walton

(Count indicates the number of computerized occurrence records in the database for a particular element for county in question. See Appendix A for explanations of Grank, Srank, Fed Status, and State status.)

September 29, 1988 FLORIDA NATURAL AREAS INVENTORY

ELEMENT OCCURRENCE RECORDS FOR BAY COUNTY CURRENTLY IN THE INVENTORY DATABASE:

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
REPTILES						
ALLIGATOR MISSISSIPPIENSIS	AMERICAN ALLIGATOR	G5	S4	LTSA	LS	1
CARETTA CARETTA	LOGGERHEAD	G3	S2	LT	LT	1
DRYMARCHON CORAIS COUPERI	EASTERN INDIGO SNAKE	G4T3	S3	LT	LT	1
GOPHERUS POLYPHEMUS	GOPHER TORTOISE	G2	S2	C2	LS	6
LAMPROPELTIS CALLIGASTER	MOLE SNAKE	G5	S2S3	N	N	1
PITUOPHIS MELANOLEUCUS MUGITUS	FLORIDA PINE SNAKE	G5T3?	S?	C2	LS	2
BIRDS						
CHARADRIUS ALEXANDRINUS	SNOWY PLOVER	G4?	S2	C2	LT	2
CHARADRIUS MELODUS	PIPING PLOVER	G2	S2	LT	LT	1
FALCO PEREGRINUS	PEREGRINE FALCON	G3	S2	LT	LE	1
IXOBRYCHUS EXILIS	LEAST BITTERN	G5	S4	N	N	1
PICOIDES BOREALIS	RED-COCKADED WOODPECKER	G2	S2	LE	LT	4
RYNCHOPS NIGER	BLACK SKIMMER	G5	S3	N	N	2
STERNA ANTILLARUM	LEAST TERN	G4	S3	N	LT	3
MAMMALS						
PEROMYSCUS POLIONOTUS ALLOPHRYS	CHOCTAWHATCHEE BEACH MOUSE	G5T1	S1	LE	LE	1
URSUS AMERICANUS FLORIDANUS	FLORIDA BLACK BEAR	G5T3	S3	C2	LT*	1
SPECIAL PLANTS						
ASTER SPINULOSUS	PINE-WOODS ASTER	G1	S1	C2	LT	2
CALAMINTHA DENTATA	TOOTHED SAVORY	G3	S3	C2	N	3
CHRYSOPSIS GODFREYI	GODFREY'S GOLDEN ASTER	G2	S2	N	N	7
HEDEOMA GRAVEOLENS	MOCK PENNYROYAL	G2	S2	C1	LE	7
HELIANTHEMUM ARENICOLA	GULF ROCKROSE	G3G4	S3	N	N	1

ELEMENT OCCURRENCE RECORDS FOR BAY COUNTY CURRENTLY IN THE INVENTORY DATABASE (continued):

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
SPECIAL PLANTS (cont.)						
HYPERICUM LISSOPHLOEUS	SMOOTH-BARKED ST. JOHN'S-WORT	G2	S2	C2	LE	2
ILLICIUM FLORIDANUM	FLORIDA ANISE	G5	S3	N	LT	2
KALMIA LATIFOLIA	MOUNTAIN LAUREL	G5	S3	N	LT	2
LUPINUS WESTIANUS	GULF COAST LUPINE	G2	S2	3C	LT	13
MACBRIDEA ALBA	WHITE BIRDS-IN-A-NEST	G1	S1	C2	LE	3
MAGNOLIA PYRAMIDATA	PYRAMID MAGNOLIA	G4	S2	N	LE	3
PINGUICULA IONANTHA	VIOLET-FLOWERED BUTTERWORT	G2	S2	C2	RE	1
PINGUICULA PLANIFOLIA	CHAPMAN'S BUTTERWORT	G3?	S2	C2	RE	1
POLYGONELLA MACROPHYLLA	LARGE-LEAVED JOINTWEED	G2	S2	C1	LT	8
RHEXIA SALICIFOLIA	PANHANDLE MEADOWBEAUTY	G2	S2	C2	N	3
RUDBECKIA NITIDA	ST. JOHN'S-SUSAN	G3	S1	C2	LE	1
STEWARTIA MALACODENDRON	SILKY CAMELLIA	G4	S3	N	LE	2
VERBESINA CHAPMANII	CHAPMAN'S CROWNBEARD	G2	S2	C2	LT	8
ANDROPOGON ARCTATUS	PINE-WOODS BLUESTEM	G3	S3	3C	N	1
XYRIS ISOETIFOLIA	QUILLWORT YELLOW-EYED GRASS	G2?	S2	C2	N	2
XYRIS LONGISEPALA	KARST POND XYRIS	G2	S2	3C	LE	1
XYRIS SCABRIFOLIA	HARPER'S YELLOW-EYED GRASS	G1G2Q	S1	C2	LT	1
NATURAL COMMUNITIES						
ESTUARINE TIDAL MARSH		G4	S4			2
SANDHILL UPLAND LAKE		G3	S2			4
BASIN MARSH		G4	S3			1
BOG		G4	S3			1
FLOODPLAIN SWAMP		G4	S4			1
HYDRIC HAMMOCK		G4	S3			1
SEEPAGE SLOPE	PINCKNEYA BOG	G4	S3			1
BLACKWATER STREAM		G4	S2			1
SPRING-RUN STREAM		G2	S2			1
BEACH DUNE		G4	S3			3
COASTAL STRAND	TEMPERATE COASTAL STRAND -- PANHANDLE	G3	S2			1

ELEMENT OCCURRENCE RECORDS FOR BAY COUNTY CURRENTLY IN THE INVENTORY DATABASE (continued):

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
NATURAL COMMUNITIES (cont.)						
MESIC FLATWOODS	INSULAR SLASH PINE FLATWOODS	G5	S5			2
SANDHILL		G4	S3			1
SCRUB	SAND PINE SCRUB	G3	S2			3
SLOPE FOREST		G3	S2			3
STRAND	STRAND-PANHANDLE	G3	S2			1
OTHER						
BIRD ROOKERY						2

Total items 54
Total records tallied 131

September 29, 1988

FLORIDA NATURAL AREAS INVENTORY

ELEMENT OCCURRENCE RECORDS FOR BREVARD COUNTY CURRENTLY IN THE INVENTORY DATABASE:

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
REPTILES						
CARETTA CARETTA	LOGGERHEAD	G3	S2	LT	LT	2
CHELONIA MYDAS	GREEN TURTLE	G3	S2	LE	LE	2
DRYMARCHON CORAIS COUPERI	EASTERN INDIGO SNAKE	G4T3	S3	LT	LT	1
GOPHERUS POLYPHEMUS	GOPHER TORTOISE	G2	S2	C2	LS	6
LAMPROPELTIS CALLIGASTER	MOLE SNAKE	G5	S2S3	N	N	1
SCELOPORUS WOODI	FLORIDA SCRUB LIZARD	G3	S3	C2	N	2
BIRDS						
AJAIA AJAJA	ROSEATE SPOONBILL	G5	S2S3	N	LS	2
APHELOCOMA COERULESCENS COERULESCENS	FLORIDA SCRUB JAY	G5T3	S3	LT	LT	33
CASMERODIUS ALBUS	GREAT EGRET	G5	S4	N	N	8
EGRETTA CAERULEA	LITTLE BLUE HERON	G5	S4	N	LS	7
EGRETTA RUFESCENS	REDDISH EGRET	G4	S2	C2	LS	1
EGRETTA THULA	SNOWY EGRET	G5	S4	N	LS	6
EGRETTA TRICOLOR	TRICOLORED HERON	G5	S4	N	LS	8
EUDOCIMUS ALBUS	WHITE IBIS	G5	S4	N	N	7
HALIAEETUS LEUCOCEPHALUS	BALD EAGLE	G3	S2S3	LE	LT	19
IXOBRYCHUS EXILIS	LEAST BITTERN	G5	S4	N	N	1
MYCTERIA AMERICANA	WOOD STORK	G5	S2	LE	LE	2
NYCTICORAX NYCTICORAX	BLACK-CROWNED NIGHT-HERON	G5	S3?	N	N	4
NYCTICORAX VIOLACEUS	YELLOW-CROWNED NIGHT-HERON	G5	S3?	N	N	1
PELECANUS OCCIDENTALIS	BROWN PELICAN	G5	S3	AC	LS	2
PICOIDES BOREALIS	RED-COCKADED WOODPECKER	G2	S2	LE	LT	1
PLEGADIS FALCINELLUS	GLOSSY IBIS	G5	S2	N	N	4
POLYBORUS PLANCUS	CRESTED CARACARA	G5	S2	LT	LT	2
RYNCHOPS NIGER	BLACK SKIMMER	G5	S3	N	N	1
STERNA ANTILLARUM	LEAST TERN	G4	S3	N	LT	1

ELEMENT OCCURRENCE RECORDS FOR BREVARD COUNTY CURRENTLY IN THE INVENTORY DATABASE (continued):

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
MAMMALS						
PEROMYSCUS POLIONOTUS NIVEIVENTRIS	SOUTHEASTERN BEACH MOUSE	G5T1	S1	C2	N	3
TRICHECHUS MANATUS	WEST INDIAN MANATEE	G2?	S2?	LE	LE	1
SPECIAL PLANTS						
CEREUS GRACILIS	PRICKLY-APPLE	G2G3	S2S3	C2	LE	7
CHAMAESYCE CUMULICOLA	SAND-DUNE SPURGE	G2	S2	C2	N	1
CONRADINA GRANDIFLORA	LARGE-FLOWERED ROSEMARY	G3	S3	C2	RE	1
GLANDULARIA MARITIMA	COASTAL VERVAIN	G2	S2	C2	RE	11
GLANDULARIA TAMPENSIS	TAMPA VERVAIN	G1	S1	C1	RE	2
LECHEA CERNUA	NODDING PINWEED	G3	S3	C2	RE	1
RHYNCHOSIA CINEREA	BROWN-HAIRED SNOUTBEAN	G3	S3	C2	N	4
SOPHORA TOMENTOSA	NECKLACE POD	G4	S3	N	N	1
TOURNEFORTIA GNAPHALODES	SEA LAVENDER	G4	S3	N	LE	2
CALAMOVILFA CURTISSII	CURTISS' SANDGRASS	G1G2	S1S2	C2	RE	3
NEMASTYLIS FLORIDANA	FALL-FLOWERING IXIA	G2	S2	C2	LE	1
NOLINA ATOPOCARPA	FLORIDA BEAR-GRASS	G2	S2	C2	LE	1
OPHIOGLOSSUM PALMATUM	HAND FERN	G1G3	S1	3C	LE	3
NATURAL COMMUNITIES						
WET FLATWOODS		G4	S4			1
COASTAL STRAND		G3	S3			6
MARITIME HAMMOCK	TEMPERATE MARITIME HAMMOCK	G4	S3			4
SCRUB	OAK SCRUB	G3	S2			13
SCRUBBY FLATWOODS		G3	S3			9

ELEMENT OCCURRENCE RECORDS FOR BREVARD COUNTY CURRENTLY IN THE INVENTORY DATABASE (continued):

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
OTHER						
BIRD ROOKERY						1

Total items 46
Total records tallied 200

October 4, 1988

FLORIDA NATURAL AREAS INVENTORY

ELEMENT OCCURRENCE RECORDS FOR BROWARD COUNTY CURRENTLY IN THE INVENTORY DATABASE:

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
REPTILES						
CARETTA CARETTA	LOGGERHEAD	G3	S2	LT	LT	1
CHELONIA MYDAS	GREEN TURTLE	G3	S2	LE	LE	1
GOPHERUS POLYPHEMUS	GOPHER TORTOISE	G2	S2	C2	LS	5
SCELOPORUS WOODI	FLORIDA SCRUB LIZARD	G3	S3	C2	N	2
SPECIAL PLANTS						
ASCLEPIAS CURTISSII	CURTISS' MILKWEED	G3	S3	N	LE	1
CONRADINA GRANDIFLORA	LARGE-FLOWERED ROSEMARY	G3	S3	C2	RE	2
ERNODEA LITTORALIS	BEACH-CREEPER	G4	S3	N	LT	2
JACQUEMONTIA RECLINATA	BEACH JACQUEMONTIA	G1	S1	C2	LE	2
LECHEA CERNUA	NODDING PINWEED	G3	S3	C2	RE	1
MYRCIANTHES FRAGRANS VAR SIMPSONII	TWINBERRY	G4T3	S3	C2	LT	1
OKENIA HYPOGAEA	BURROWING FOUR-O'CLOCK	G3	S2	N	LE	3
SOPHORA TOMENTOSA	NECKLACE POD	G4	S3	N	N	2
TOURNEFORTIA GNAPHALODES	SEA LAVENDER	G4	S3	N	LE	2
COCCOTHRINAX ARGENTATA	SILVER PALM	G3G4	S3	N	LC	2
DIGITARIA GRACILLIMA	LONGLEAF CRABGRASS	G1?	S1	C2	N	1
EPIDENDRUM NOCTURNUM	NIGHT-SCENTED ORCHID	G?	S2	N	(LT)	1
HYMENOCALLIS LATIFOLIA	BROAD-LEAVED SPIDERLILY	G2G4	S2S3	3C	N	1
REMIREA MARITIMA	BEACH-STAR	G3	S1	N	LE	2
TILLANDSIA FLEXUOSA	BANDED WILD-PINE	G4	S3	N	LT	3
ACROSTICHUM AUREUM	GOLDEN LEATHER FERN	G5	S3	N	LE	1
ASPLENIUM DENTATUM	SLENDER SPLEENWORT	G?	S1S2	N	(LT)	1
ASPLENIUM SERRATUM	BIRD'S NEST SPLEENWORT	G?	S1	N	LE	1
OPHIOGLOSSUM PALMATUM	HAND FERN	G1G3	S1	3C	LE	1

October 4, 1988

FLORIDA NATURAL AREAS INVENTORY

ELEMENT OCCURRENCE RECORDS FOR BROWARD COUNTY CURRENTLY IN THE INVENTORY DATABASE:

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
NATURAL COMMUNITIES						
MARITIME HAMMOCK	TROPICAL COASTAL HAMMOCK	G4	S3			1
ROCKLAND HAMMOCK		G3	S2			1
SCRUB		G3	S2			1

Total items 26
Total records tallied 42

October 4, 1988

FLORIDA NATURAL AREAS INVENTORY

ELEMENT OCCURRENCE RECORDS FOR CHARLOTTE COUNTY CURRENTLY IN THE INVENTORY DATABASE:

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
FISHES						
ACIPENSER OXYRHYNCHUS	ATLANTIC STURGEON	G3	S2	C2	LS	1
REPTILES						
DRYMARCHON CORAIS COUPERI	EASTERN INDIGO SNAKE	G4T3	S3	LT	LT	1
GOPHERUS POLYPHEMUS	GOPHER TORTOISE	G2	S2	C2	LS	7
BIRDS						
APHELOCOMA COERULESCENS COERULESCENS	FLORIDA SCRUB JAY	G5T3	S3	LT	LT	4
ATHENE CUNICULARIA FLORIDANA	FLORIDA BURROWING OWL	G5T3	S3	N	LS	1
CASMERODIUS ALBUS	GREAT EGRET	G5	S4	N	N	8
EGRETTA THULA	SNOWY EGRET	G5	S4	N	LS	2
EGRETTA TRICOLOR	TRICOLORED HERON	G5	S4	N	LS	3
EUDOCIMUS ALBUS	WHITE IBIS	G5	S4	N	N	1
GRUS CANADENSIS PRATENSIS	FLORIDA SANDHILL CRANE	G5T2T3	S2S3	N	LT	1
HALIAEETUS LEUCOCEPHALUS	BALD EAGLE	G3	S2S3	LE	LT	16
MYCTERIA AMERICANA	WOOD STORK	G5	S2	LE	LE	1
PICOIDES BOREALIS	RED-COCKADED WOODPECKER	G2	S2	LE	LT	8
POLYBORUS PLANCUS	CRESTED CARACARA	G5	S2	LT	LT	7
MAMMALS						
EUMOPS GLAUCINUS FLORIDANUS	FLORIDA MASTIFF BAT	G5?T2?	S2?	C2	N	1
URSUS AMERICANUS FLORIDANUS	FLORIDA BLACK BEAR	G5T3	S3	C2	LT*	3

ELEMENT OCCURRENCE RECORDS FOR CHARLOTTE COUNTY CURRENTLY IN THE INVENTORY DATABASE (continued):

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
SPECIAL PLANTS						
CEREUS GRACILIS	PRICKLY-APPLE	G2G3	S2S3	C2	LE	1
DEERINGOTHAMNUS PULCHELLUS	BEAUTIFUL PAWPAW	G1	S1	LE	LE	1
ERNODEA LITTORALIS	BEACH-CREEPER	G4	S3	N	LT	1
SOPHORA TOMENTOSA	NECKLACE POD	G4	S3	N	N	2
NATURAL COMMUNITIES						
ESTUARINE TIDAL SWAMP		G3	S3			1
COASTAL STRAND	TROPICAL COASTAL STRAND	G3	S3			1
SCRUB	OAK SCRUB	G3	S2			1
SCRUBBY FLATWOODS		G3	S3			3
OTHER						
BIRD ROOKERY						8

Total items 25
Total records tallied 84

October 4, 1988

FLORIDA NATURAL AREAS INVENTORY

ELEMENT OCCURRENCE RECORDS FOR CITRUS COUNTY CURRENTLY IN THE INVENTORY DATABASE:

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
REPTILES						
ALLIGATOR MISSISSIPPIENSIS	AMERICAN ALLIGATOR	G5	S4	LTSA	LS	1
DRYMARCHON CORAIS COUPERI	EASTERN INDIGO SNAKE	G4T3	S3	LT	LT	6
GOPHERUS POLYPHEMUS	GOPHER TORTOISE	G2	S2	C2	LS	3
STILOSOMA EXTENUATUM	SHORT-TAILED SNAKE	G3	S3	C2	LT	3
BIRDS						
APHELOCOMA COERULESCENS COERULESCENS	FLORIDA SCRUB JAY	G5T3	S3	LT	LT	6
ATHENE CUNICULARIA FLORIDANA	FLORIDA BURROWING OWL	G5T3	S3	N	LS	1
CASMERODIUS ALBUS	GREAT EGRET	G5	S4	N	N	5
EGRETTA CAERULEA	LITTLE BLUE HERON	G5	S4	N	LS	3
EGRETTA THULA	SNOWY EGRET	G5	S4	N	LS	4
EGRETTA TRICOLOR	TRICOLORED HERON	G5	S4	N	LS	5
EUDOCIMUS ALBUS	WHITE IBIS	G5	S4	N	N	3
HALIAEETUS LEUCOCEPHALUS	BALD EAGLE	G3	S2S3	LE	LT	11
NYCTICORAX NYCTICORAX	BLACK-CROWNED NIGHT-HERON	G5	S3?	N	N	2
NYCTICORAX VIOLACEUS	YELLOW-CROWNED NIGHT-HERON	G5	S3?	N	N	1
PELECANUS OCCIDENTALIS	BROWN PELICAN	G5	S3	AC	LS	1
PICOIDES BOREALIS	RED-COCKADED WOODPECKER	G2	S2	LE	LT	5
MAMMALS						
SCIURUS NIGER SHERMANI	SHERMAN'S FOX SQUIRREL	G5T2	S2	C2	LS	1
TRICHECHUS MANATUS	WEST INDIAN MANATEE	G2?	S2?	LE	LE	5
INVERTEBRATES						
CRANGONYX HOBBSI	HOBBS' CAVE AMPHIPOD	G2G3	S2S3	C2	N	1
PROCAMBARUS LUCIFUGUS	LIGHT-FLEEING CAVE CRAYFISH	G3	S3	N	N	1
TROGLOCAMBARUS MACLANEI	MCLANE'S CAVE CRAYFISH	G2	S2	N	N	1
CINCINNATIA HELICOGYRA	HELICOID SPRING SNAIL	G1	S1	C2	N	1

ELEMENT OCCURRENCE RECORDS FOR CITRUS COUNTY CURRENTLY IN THE INVENTORY DATABASE (continued):

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
SPECIAL PLANTS						
AGRIMONIA INCISA	INCISED GROOVE-BUR	G3	S2	C2	N	1
CENTROSEMA ARENICOLA	SAND BUTTERFLY PEA	G2?	S1S3	3C	N	1
CHIONANTHUS PYGMAEUS	PYGMY FRINGE-TREE	G2	S2	LE	LE	1
GLANDULARIA TAMPENSIS	TAMPA VERVAIN	G1	S1	C1	RE	1
PHARUS PARVIFOLIUS	CREEPING-LEAF STALKGRASS	G?	SH	N	N	1
PTEROGLOSSASPIS ECRISTATA	A WILD COCO	G3G4	S2	C2	(LT)	1
SPIRANTHES POLYANTHA	GREEN LADIES-TRESSES	G1G3	S1S2	C2	LE	2
TRIPHORA CRAIGHEADII	CRAIGHEAD'S NODDING-CAPS	G1	S1	C2	(LT)	1
ASPLENIUM PUMILUM	DWARF SPLEENWORT	G?	S1	N	LE	2
CHEILANTHES MICROPHYLLA	SOUTHERN LIP FERN	G?	S3	N	(LT)	1
NATURAL COMMUNITIES						
SANDHILL UPLAND LAKE		G3	S2			1
MARINE TIDAL MARSH		G3	S3			4
MARINE TIDAL SWAMP		G3	S3			1
BASIN MARSH		G4	S3			1
HYDRIC HAMMOCK		G4	S3			2
AQUATIC CAVE		G3	S2			1
TERRESTRIAL CAVE		G3	S1			6
ROCKLAND HAMMOCK		G3	S2			1
SANDHILL		G4	S3			2
SCRUB	SAND PINE SCRUB/OAK SCRUB	G3	S2			8
SHELL MOUND		G3	S3			2
SINKHOLE		G3	S2			1
XERIC HAMMOCK	MATURE SCRUB HAMMOCK	G3	S2			2
OTHER						
BIRD ROOKERY						6

Total items 46
Total records tallied 120

October 4, 1988

FLORIDA NATURAL AREAS INVENTORY

ELEMENT OCCURRENCE RECORDS FOR COLLIER COUNTY CURRENTLY IN THE INVENTORY DATABASE:

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
REPTILES						
ALLIGATOR MISSISSIPPIENSIS	AMERICAN ALLIGATOR	G5	S4	LTSA	LS	1
CARETTA CARETTA	LOGGERHEAD	G3	S2	LT	LT	2
DRYMARCHON CORAIS COUPERI	EASTERN INDIGO SNAKE	G4T3	S3	LT	LT	12
GOPHERUS POLYPHEMUS	GOPHER TORTOISE	G2	S2	C2	LS	8
SCELOPORUS WOODI	FLORIDA SCRUB LIZARD	G3	S3	C2	N	1
BIRDS						
APHELOCOMA COERULESCENS COERULESCENS	FLORIDA SCRUB JAY	G5T3	S3	LT	LT	1
CASMERODIUS ALBUS	GREAT EGRET	G5	S4	N	N	11
CHARADRIUS ALEXANDRINUS	SNOWY PLOVER	G4?	S2	C2	LT	1
CHARADRIUS MELODUS	PIPING PLOVER	G2	S2	LT	LT	1
COCCYZUS MINOR	MANGROVE CUCKOO	G5	S3	N	N	1
DENDROICA DISCOLOR PALUDICOLA	FLORIDA PRAIRIE WARBLER	G5T3	S3	N	N	2
EGRETTA CAERULEA	LITTLE BLUE HERON	G5	S4	N	LS	12
EGRETTA THULA	SNOWY EGRET	G5	S4	N	LS	6
EGRETTA TRICOLOR	TRICOLORED HERON	G5	S4	N	LS	6
EUDOCIMUS ALBUS	WHITE IBIS	G5	S4	N	N	1
HALIAEETUS LEUCOCEPHALUS	BALD EAGLE	G3	S2S3	LE	LT	15
MYCTERIA AMERICANA	WOOD STORK	G5	S2	LE	LE	2
PANDION HALIAETUS	OSPREY	G5	S3S4	N	LS*	1
PELECANUS OCCIDENTALIS	BROWN PELICAN	G5	S3	AC	LS	2
PICOIDES BOREALIS	RED-COCKADED WOODPECKER	G2	S2	LE	LT	10
PICOIDES VILLOSUS	HAIRY WOODPECKER	G5	S3?	N	N	1
PLEGADIS FALCINELLUS	GLOSSY IBIS	G5	S2	N	N	1
POLYBORUS PLANCUS	CRESTED CARACARA	G5	S2	LT	LT	2
RYNCHOPS NIGER	BLACK SKIMMER	G5	S3	N	N	2
STERNA ANTILLARUM	LEAST TERN	G4	S3	N	LT	2
VIREO ALTILOQUUS	BLACK-WHISKERED VIREO	G5	S3	N	N	2

ELEMENT OCCURRENCE RECORDS FOR COLLIER COUNTY CURRENTLY IN THE INVENTORY DATABASE (continued):

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
MAMMALS						
FELIS CONCOLOR CORYI	FLORIDA PANTHER	G4T1	S1	LE	LE	1
URSUS AMERICANUS FLORIDANUS	FLORIDA BLACK BEAR	G5T3	S3	C2	LT*	8
SPECIAL PLANTS						
CELTIS IGUANAEA	IGUANA HACKBERRY	G?	S1	N	LE	1
CHAMAESYCE CUMULICOLA	SAND-DUNE SPURGE	G2	S2	C2	N	5
ELYTRARIA CAROLINIENSIS VAR ANGUSTIFOLIA	NARROW-LEAVED CAROLINA SCALYSTEM	G2G4T2	S2	C2	N	2
ERNODEA LITTORALIS	BEACH-CREEPER	G4	S3	N	LT	3
FORESTIERA SEGREGATA VAR PINETORUM	FLORIDA PINEWOOD PRIVET	G2T2	S2	C1	N	2
GLANDULARIA MARITIMA	COASTAL VERVAIN	G2•	S2	C2	RE	1
GLANDULARIA TAMPENSIS	TAMPA VERVAIN	G1	S1	C1	RE	1
GOSSYPIUM HIRSUTUM	WILD COTTON	G4G5	S3?	N	LE	3
JACQUEMONTIA CURTISSII	PINELAND JACQUEMONTIA	G2	S2	C2	LE	1
LECHEA CERNUA	NODDING PINWEED	G3	S3	C2	RE	1
LECHEA LAKELAE	LAKELA'S PINWEED	G1	S1	C2	N	1
LINUM CARTERI VAR SMALLII	CARTER'S LARGE-FLOWERED FLAX	G2T2	S2	C1	RE	2
MYRCIANTHES FRAGRANS VAR SIMPSONII	TWINBERRY	G4T3	S3	C2	LT	2
PEPEROMIA GLABELLA	CYPRESS PEPEROMIA	G?	S1	N	LE	1
PERSEA HUMILIS	SCRUB BAY	G4	S3	3C	N	1
RHYNCHOSIA CINEREA	BROWN-HAIRED SNOUTBEAN	G3	S3	C2	N	1
SOPHORA TOMENTOSA	NECKLACE POD	G4	S3	N	N	6
CAMPYLOCENTRUM PACHYRRHIZUM	LEAFLESS ORCHID	G?	S1	N	LE	2
CATOPSIS NUTANS	NODDING CATOPSIS	G2G3	S1	N	(LT)	1
CYRTOPODIUM PUNCTATUM	COW-HORNED ORCHID	G?	S1	N	LE	4
EPIDENDRUM NOCTURNUM	NIGHT-SCENTED ORCHID	G?	S2	N	(LT)	1
GUZMANIA MONOSTACHYA	FUCH'S BROMELIAD	G4G5	S1S2	N	LE	2
GYMNOPOGON FLORIDANUS	FLORIDA BEARDGRASS	GH	S2	C2	N	1
HYMENOCALLIS LATIFOLIA	BROAD-LEAVED SPIDERLILY	G2G4	S2S3	3C	N	7
IONOPSIS UTRICULARIOIDES	DELICATE IONOPSIS	G?	S2	N	LE	1
LEPANTHOPSIS MELANANTHA	TINY ORCHID	G1G3	S1	C2	LE	1

ELEMENT OCCURRENCE RECORDS FOR COLLIER COUNTY CURRENTLY IN THE INVENTORY DATABASE (continued):

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
SPECIAL PLANTS (cont.)						
POLYRRHIZA LINDENII	GHOST ORCHID	G?	S2	N	LE	4
ROYSTONEA ELATA	FLORIDA ROYAL PALM	G2Q	S2	C1	LE	2
TILLANDSIA FLEXUOSA	BANDED WILD-PINE	G4	S3	N	LT	14
TILLANDSIA PRUINOSA	FUZZY-WUZZY AIR-PLANT	G3	S1	N	LE	5
ACROSTICHUM AUREUM	GOLDEN LEATHER FERN	G5	S3	N	LE	7
ASPLENIUM AURITUM	AURICLED SPLEENWORT	G?	S2	N	LE	1
ASPLENIUM SERRATUM	BIRD'S NEST SPLEENWORT	G?	S1	N	LE	4
CAMPYLONEURUM ANGUSTIFOLIUM	NARROW-LEAVED STRAP FERN	G?	S1	N	LE	1
CHEILANTHES MICROPHYLLA	SOUTHERN LIP FERN	G?	S3	N	(LT)	1
HUPERZIA DICHOTOMA	HANGING CLUBMOSS	G2	S1	N	LE	1
OPHIOGLOSSUM PALMATUM	HAND FERN	G1G3	S1	3C	LE	2
NATURAL COMMUNITIES						
ESTUARINE TIDAL SWAMP		G3	S3			3
SINKHOLE LAKE		G3	S3			1
SWAMP LAKE		G4	S3			2
SWAMP/MARSH LAKE		G4	S3			3
BAYGALL		G4	S4			2
DOME	CYPRESS DOME	G5	S5			1
HYDRIC HAMMOCK		G4	S3			1
MARL PRAIRIE		G4	S3			2
SLOUGH	^POND APPLE/POP ASH SLOUGH^, ^LETTUCE LAKE^,	G5	S5			1
STRAND SWAMP		G4	S4			3
BEACH DUNE	TROPICAL BEACH DUNE	G4	S3			2
COASTAL STRAND		G3	S3			5
MARITIME HAMMOCK	^CACTUS HAMMOCK^ ? SEE COMMENT	G4	S3			35
MARITME HAMMOCK	TROPICAL COASTAL HAMMOCK	G4	S3			1
MESIC FLATWOODS	^SLASH PINE/PALMETTO FLATWOODS^	G5	S5			1
PINE ROCKLAND	BIG CYPRESS PINE ROCKLAND	G2	S1			1
PRAIRIE HAMMOCK		G4	S4			1
ROCKLAND HAMMOCK		G3	S2			3

ELEMENT OCCURRENCE RECORDS FOR COLLIER COUNTY CURRENTLY IN THE INVENTORY DATABASE (continued):

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
NATURAL COMMUNITIES (cont.)						
SCRUB	OAK SCRUB; PALMETTO SCRUB	G3	S2			25
SCRUBBY FLATWOODS		G3	S3			1
SHELL MOUND		G3	S3			14
OTHER						
BIRD ROOKERY						16

Total items 87
Total records tallied 335

October 4, 1988

FLORIDA NATURAL AREAS INVENTORY

ELEMENT OCCURRENCE RECORDS FOR DADE COUNTY CURRENTLY IN THE INVENTORY DATABASE:

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
FISHES						
GOBIONELLUS STIGMATURUS	SPOTTAIL GOBY	G4	S3?	N	N	1
REPTILES						
ALLIGATOR MISSISSIPPIENSIS	AMERICAN ALLIGATOR	G5	S4	LTSA	LS	1
CARETTA CARETTA	LOGGERHEAD	G3	S2	LT	LT	2
CROCODYLUS ACUTUS	AMERICAN CROCODILE	G2?	S1	LE	LE	2
DRYMARCHON CORAIS COUPERI	EASTERN INDIGO SNAKE	G4T3	S3	LT	LT	3
ERETMOCHELYS IMBRICATA	HAWKSBILL	G3?	S1	LE	LE	1
GOPHERUS POLYPHEMUS	GOPHER TORTOISE	G2	S2	C2	LS	3
TANTILLA OOLITICA	RIM ROCK CROWNED SNAKE	G1G2Q	S1S2	C2	LT	6
BIRDS						
ARDEA HERODIAS OCCIDENTALIS	GREAT WHITE HERON	G5T2	S2	N	N	1
ATHENE CUNICULARIA FLORIDANA	FLORIDA BURROWING OWL	G5T3	S3	N	LS	1
CASMERODIUS ALBUS	GREAT EGRET	G5	S4	N	N	5
CHARADRIUS MELODUS	PIPING PLOVER	G2	S2	LT	LT	2
COCCYZUS MINOR	MANGROVE CUCKOO	G5	S3	N	N	1
DENDROICA DISCOLOR PALUDICOLA	FLORIDA PRAIRIE WARBLER	G5T3	S3	N	N	1
EGRETTA CAERULEA	LITTLE BLUE HERON	G5	S4	N	LS	4
EGRETTA RUFESCENS	REDDISH EGRET	G4	S2	C2	LS	1
EGRETTA THULA	SNOWY EGRET	G5	S4	N	LS	4
EGRETTA TRICOLOR	TRICOLORED HERON	G5	S4	N	LS	4
EUDOCIMUS ALBUS	WHITE IBIS	G5	S4	N	N	3
FALCO COLUMBARIUS	MERLIN	G4	SU	N	N	2
FALCO PEREGRINUS	PEREGRINE FALCON	G3	S2	LT	LE	2
HALIAEETUS LEUCOCEPHALUS	BALD EAGLE	G3	S2S3	LE	LT	3
MYCTERIA AMERICANA	WOOD STORK	G5	S2	LE	LE	1
NYCTICORAX NYCTICORAX	BLACK-CROWNED NIGHT-HERON	G5	S3?	N	N	2

ELEMENT OCCURRENCE RECORDS FOR DADE COUNTY CURRENTLY IN THE INVENTORY DATABASE (continued):

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
BIRDS (cont.)						
NYCTICORAX VIOLACEUS	YELLOW-CROWNED NIGHT-HERON	G5	S3?	N	N	2
PANDION HALIAETUS	OSPREY	G5	S3S4	N	LS*	1
PELECANUS OCCIDENTALIS	BROWN PELICAN	G5	S3	AC	LS	1
RYNCHOPS NIGER	BLACK SKIMMER	G5	S3	N	N	1
STERNA ANTILLARUM	LEAST TERN	G4	S3	N	LT	1
STERNA CASPIA	CASPIAN TERN	G5	S2?	N	N	1
STERNA MAXIMA	ROYAL TERN	G5	S3	N	N	1
STERNA SANDVICENSIS	SANDWICH TERN	G4	S2	N	N	1
VIREO ALTILOQUUS	BLACK-WHISKERED VIREO	G5	S3	N	N	1
INVERTEBRATES						
CRANGONYX GRANDIMANUS	FLORIDA CAVE AMPHIPOD	G2	S2	C2	N	1
CRANGONYX HOBBSI	HOBBS' CAVE AMPHIPOD	G2G3	S2S3	C2	N	1
PROCAMBARUS MILLERI	MILLER'S CAVE CRAYFISH	G1	S1	N	N	1
EUMAEUS ATALA FLORIDA	FLORIDA ATALA	G?	S1	C2	N	2
SPECIAL PLANTS						
AMORPHA CRENULATA	CRENULATE LEAD-PLANT	G1	S1	LE	LE	3
AMYRIS BALSAMIFERA	BALSAM TORCHWOOD	G3G4	S2	N	N	2
ARGYTHAMNIA BLODGETTII	BLODGETT'S WILD-MERCURY	G2	S2	C2	RE	8
BOURRERIA CASSINIFOLIA	LITTLE STRONGBARK	G?	S1	N	RE	9
BRICKELLIA MOSIERI	FLORIDA THOROUGHWORT BRICKELL-BUSH	G1G2	S1S2	C2	RE	2
CEREUS GRACILIS	PRICKLY-APPLE	G2G3	S2S3	C2	LE	1
CHAMAESYCE DELTOIDEA SSP DELTOIDEA	DELTOID SPURGE	G2?T2	S2	LE	LE	18
CHAMAESYCE GARBERI	GARBER'S SPURGE	G1	S1	LT	LE	4
CHAMAESYCE PORTERIANA VAR PORTERIANA	PORTER'S BROAD-LEAVED SPURGE	G2T2	S2	C1	RE	2

ELEMENT OCCURRENCE RECORDS FOR DADE COUNTY CURRENTLY IN THE INVENTORY DATABASE (continued):

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
SPECIAL PLANTS (cont.)						
COLUBRINA CUBENSIS	CUBAN SNAKE-BARK	G?	S1S2	N	N	4
CROSSOPETALUM ILICIFOLIUM	CHRISTMAS BERRY	G?	S2	N	N	27
CUCURBITA OKEECHOBEENSIS	OKEECHOBEE GOURD	G1	S1	C2	LE	1
ELYTRARIA CAROLINIENSIS VAR ANGUSTIFOLIA	NARROW-LEAVED CAROLINA SCALYSTEM	G2G4T2	S2	C2	N	2
ERNODEA LITTORALIS	BEACH-CREEPER	G4	S3	N	LT	8
EUGENIA CONFUSA	TROPICAL IRONWOOD	G4G5	S3S4	N	LT	1
EUGENIA RHOMBEA	RED STOPPER	G?	S1	N	LE	1
FORESTIERA SEGREGATA VAR PINETORUM	FLORIDA PINEWOOD PRIVET	G2T2	S2	C1	N	16
GALACTIA PINETORUM	PINELAND MILK-PEA	G2	S2	C2	N	6
GALACTIA SMALLII	SMALL'S MILKPEA	G1	S1	LE	LE	2
GLANDULARIA MARITIMA	COASTAL VERVAIN	G2	S2	C2	RE	5
GUAIACUM SANCTUM	LIGNUM-VITAE	G4G5	S2	N	LE	4
HELIANTHUS DEBILIS SSP VESTITUS	HAIRY BEACH SUNFLOWER	G5?T2	S2	C1	N	1
HIPPOMANE MANCINELLA	MANCHINEEL	G3G4	S2	N	LT	1
HYPELATE TRIFOLIATA	INKWOOD	G2	S1	N	LT	1
ILEX KRUGIANA	KRUG'S HOLLY	G?	S2	N	LTRE	16
JACQUEMONTIA CURTISSII	PINELAND JACQUEMONTIA	G2	S2	C2	LE	25
JACQUEMONTIA RECLINATA	BEACH JACQUEMONTIA	G1	S1	C2	LE	1
JACQUINIA KEYENSIS	JOEWOOD	G4	S3	N	LT	6
LICARIA TRIANDRA	GULF LICARIA	G?	S1	N	LE	3
LINUM ARENICOLA	SAND FLAX	G1G2	S1S2	C2	LE	1
LINUM CARTERI VAR CARTERI	CARTER'S SMALL-FLOWERED FLAX	G2T1	S1	C1	RE	1
LINUM CARTERI VAR SMALLII	CARTER'S LARGE-FLOWERED FLAX	G2T2	S2	C1	RE	2
MELANTHERA PARVIFOLIA	SMALL-LEAVED MELANTHERA	G2Q	S2	C2	N	24
MYRCIANTHES FRAGRANS VAR SIMPSONII	TWINBERRY	G4T3	S3	C2	LT	10
OKENIA HYPOGAEA	BURROWING FOUR-O'CLOCK	G3	S2	N	LE	6
PEPEROMIA FLORIDANA	EVERGLADES PEPEROMIA	G1G2	S1S2	C2	LE	2
PHYLLANTHUS PENTAPHYLLUS VAR FLORIDANUS	FLORIDA FIVE-PETALED LEAF-FLOWER	G?	S?	N	N	25
POLYGALA BOYKINII VAR SPARSIFOLIA	BOYKIN'S FEW-LEAVED MILKWORT	G4T2	S2	C2	N	1
POLYGALA SMALLII	TINY POLYGALA	G1	S1	LE	LE	4
RHYNCHOSIA CINEREA	BROWN-HAIRED SNOUTBEAN	G3	S3	C2	N	5
SACHSIA BAHAMENSIS	BAHAMA SACHSIA	G2	S1	N	LE	8

ELEMENT OCCURRENCE RECORDS FOR DADE COUNTY CURRENTLY IN THE INVENTORY DATABASE (continued):

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
SPECIAL PLANTS (cont.)						
SOPHORA TOMENTOSA	NECKLACE POD	G4	S3	N	N	1
STILLINGIA SYLVATICA SSP TENUIS	A QUEEN'S DELIGHT	G4G5T2	S2	C2	N	18
TETRAZYGIA BICOLOR	TETRAZYGIA	G3G5	S3	N	LT	31
TOURNEFORTIA GNAPHALODES	SEA LAVENDER	G4	S3	N	LE	2
TRAGIA SAXICOLA	PINELAND NOSEBURN	G2	S2	C2	RE	20
BRASSIA CAUDATA	SPIDER ORCHID	GU	SH	C2	(LT)	1
CATOPSIS BERTERONIANA	POWDERY CATOPSIS	G4	S1S2	N	LE	4
COCCOTHRINAX ARGENTATA	SILVER PALM	G3G4	S3	N	LC	35
CYRTOPODIUM PUNCTATUM	COW-HORNED ORCHID	G?	S1	N	LE	1
DICHROMENA FLORIDENSIS	FLORIDA WHITE-TOP SEDGE	G?	S2	N	N	21
ELTROPLECTRIS CALCARATA		G?	S1	N	LE	2
EPIDENDRUM NOCTURNUM	NIGHT-SCENTED ORCHID	G?	S2	N	(LT)	7
GUZMANIA MONOSTACHYA	FUCH'S BROMELIAD	G4G5	S1S2	N	LE	2
PANICUM PINETORUM	BONITA SPRINGS PANIC GRASS	G2?Q	S2	C2	N	2
POLYRRHIZA LINDENII	GHOST ORCHID	G?	S2	N	LE	1
PSEUDOPHOENIX SARGENTII	FLORIDA CHERRY-PALM	GU	S1	N	LE	2
PTEROGLOSSASPIS ECRISTATA	A WILD COCO	G3G4	S2	C2	(LT)	1
REMIREA MARITIMA	BEACH-STAR	G3	S1	N	LE	1
ROYSTONEA ELATA	FLORIDA ROYAL PALM	G2Q	S2	C1	LE	7
SABAL MIAMIENSIS	MIAMI PALMETTO	G1?	S1	N	N	1
SACOILA LANCEOLATA VAR PALUDICOLA	A LADIES'-TRESSES	G4T1T2	S2	C2	(LT)	1
THRINAX MORRISII	BRITTLE THATCH PALM	G4G5	S3	N	LC	5
THRINAX RADIATA	FLORIDA THATCH PALM	G4G5	S2	N	LC	3
TILLANDSIA FLEXUOSA	BANDED WILD-PINE	G4	S3	N	LT	11
TRIPSACUM FLORIDANUM	FLORIDA GAMA GRASS	G2	S2	C1	RE	13
VANILLA BARBELLATA	WORM-VINE ORCHID	G?	S2	N	LE	1
ZEPHYRANTHES SIMPSONII	RAIN LILY	G2?	S2S3	3C	LE	1
ACROSTICHUM AUREUM	GOLDEN LEATHER FERN	G5	S3	N	LE	2
ADIANTUM MELANOLEUCUM	FRAGRANT MAIDENHAIR FERN	G?	S1	N	LE	2
ASPLENIUM DENTATUM	SLENDER SPLEENWORT	G?	S1S2	N	(LT)	3
ASPLENIUM SERRATUM	BIRD'S NEST SPLEENWORT	G?	S1	N	LE	1
CAMPYLONEURUM ANGUSTIFOLIUM	NARROW-LEAVED STRAP FERN	G?	S1	N	LE	1

ELEMENT OCCURRENCE RECORDS FOR DADE COUNTY CURRENTLY IN THE INVENTORY DATABASE (continued):

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
SPECIAL PLANTS (cont.)						
TECTARIA CORIANDRIFOLIA	HATTIE BAUER HALBERD FERN	G2?	S1	N	LE	1
TECTARIA X AMESIANA	AMES HALBERD FERN	GH?Q	SH	C2	(LT)	1
NATURAL COMMUNITIES						
MARINE TIDAL SWAMP		G3	S3			2
MARL PRAIRIE		G4	S3			1
MARITIME HAMMOCK	TROPICAL COASTAL HAMMOCK	G4	S3			1
MESIC FLATWOODS	DADE SANDY PINELAND	G5	S5			3
PINE ROCKLAND	DADE PINE ROCKLAND	G2	S1			42
ROCKLAND HAMMOCK	MIAMI RIDGE HAMMOCK	G3	S2			42
SHELL MOUND		G3	S3			2
SINKHOLE		G3	S2			1
OTHER						
GEOLOGICAL FEATURE	PETRIFIED MANGROVE REEF OF KEY BISCAYNE					1

Total items 121
Total records tallied 641

October 4, 1988

FLORIDA NATURAL AREAS INVENTORY

ELEMENT OCCURRENCE RECORDS FOR DIXIE COUNTY CURRENTLY IN THE INVENTORY DATABASE:

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
FISHES						
ACIPENSER OXYRHYNCHUS	ATLANTIC STURGEON	G3	S2	C2	LS	1
REPTILES						
DRYMARCHON CORAIS COUPERI	EASTERN INDIGO SNAKE	G4T3	S3	LT	LT	5
GOPHERUS POLYPHEMUS	GOPHER TORTOISE	G2	S2	C2	LS	3
NERODIA FASCIATA CLARKII	GULF SALT MARSH SNAKE	G5T3	S3?	N	N	3
BIRDS						
BUTEO BRACHYURUS	SHORT-TAILED HAWK	G4?	S3	N	N	1
CASMERODIUS ALBUS	GREAT EGRET	G5	S4	N	N	2
EGRETTA CAERULEA	LITTLE BLUE HERON	G5	S4	N	LS	1
EGRETTA TRICOLOR	TRICOLORED HERON	G5	S4	N	LS	1
EUDOCIMUS ALBUS	WHITE IBIS	G5	S4	N	N	2
HALIAEETUS LEUCOCEPHALUS	BALD EAGLE	G3	S2S3	LE	LT	1
MAMMALS						
TRICHECHUS MANATUS	WEST INDIAN MANATEE	G2?	S2?	LE	LE	1
SPECIAL PLANTS						
ANEMONE BERLANDIERI	TEXAS ANEMONE	G3G5Q	S2	N	N	4
LEITNERIA FLORIDANA	CORKWOOD	G3G4	S3	3C	LT	1
PHYLLANTHUS LEIBMANNIANUS SSP PLATYLEPIS	PINE-WOOD DAINTIES	G3G5	S3	3C	LT	2

October 4, 1988

FLORIDA NATURAL AREAS INVENTORY

ELEMENT OCCURRENCE RECORDS FOR DIXIE COUNTY CURRENTLY IN THE INVENTORY DATABASE (continued):

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
NATURAL COMMUNITIES						
SPRING-RUN STREAM		G2	S2			6
OTHER						
BIRD ROOKERY						2

Total items 16
Total records tallied 36

September 30, 1988

FLORIDA NATURAL AREAS INVENTORY

ELEMENT OCCURRENCE RECORDS FOR DUVAL COUNTY CURRENTLY IN THE INVENTORY DATABASE:

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
AMPHIBIANS						
AMBYSTOMA CINGULATUM	FLATWOODS SALAMANDER	G4	S3?	C2	N	2
REPTILES						
ALLIGATOR MISSISSIPPIENSIS	AMERICAN ALLIGATOR	G5	S4	LTSA	LS	1
CARETTA CARETTA	LOGGERHEAD	G3	S2	LT	LT	1
CLEMMYS GUTTATA	SPOTTED TURTLE	G5	S3?	N	N	1
GOPHERUS POLYPHEMUS	GOPHER TORTOISE	G2	S2	C2	LS	6
BIRDS						
AMMODRAMUS MARITIMUS PELONOTUS	SMYRNA SEASIDE SPARROW	G4T2Q	S2?	C2	N	1
ATHENE CUNICULARIA FLORIDANA	FLORIDA BURROWING OWL	G5T3	S3	N	LS	1
CASMERODIUS ALBUS	GREAT EGRET	G5	S4	N	N	5
CHARADRIUS MELODUS	PIPING PLOVER	G2	S2	LT	LT	1
CISTOTHORUS PALUSTRIS GRISEUS	WORTHINGTON'S MARSH WREN	G5T3	S2	N	LS	1
EGRETTA CAERULEA	LITTLE BLUE HERON	G5	S4	N	LS	1
EGRETTA THULA	SNOWY EGRET	G5	S4	N	LS	1
EGRETTA TRICOLOR	TRICOLORED HERON	G5	S4	N	LS	1
EUDOCIMUS ALBUS	WHITE IBIS	G5	S4	N	N	2
HALIAEETUS LEUCOCEPHALUS	BALD EAGLE	G3	S2S3	LE	LT	2
IXOBRYCHUS EXILIS	LEAST BITTERN	G5	S4	N	N	1
MYCTERIA AMERICANA	WOOD STORK	G5	S2	LE	LE	3
PANDION HALIAETUS	OSPREY	G5	S3S4	N	LS*	1
MAMMALS						
URSUS AMERICANUS FLORIDANUS	FLORIDA BLACK BEAR	G5T3	S3	C2	LT*	1

ELEMENT OCCURRENCE RECORDS FOR DUVAL COUNTY CURRENTLY IN THE INVENTORY DATABASE (continued):

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
SPECIAL PLANTS						
SALPINGOSTYLIS COELESTINA	BARTRAM'S IXIA	G2	S2	C2	LTRE	2
SPIRANTHES POLYANTHA	GREEN LADIES-TRESSES	G1G3	S1S2	C2	LE	1
CHEILANTHES MICROPHYLLA	SOUTHERN LIP FERN	G?	S3	N	(LT)	1
NATURAL COMMUNITIES						
ESTUARINE TIDAL MARSH		G4	S4			1
ESTUARINE UNCONSOLIDATED SUBSTRATE		G5	S5			1
BEACH DUNE		G4	S3			3
COASTAL STRAND		G3	S3			3
DRY PRAIRIE		G2	S2			1
MARITIME HAMMOCK		G4	S3			4
OVERWASH PLAIN		G3	S3			1
SCRUB	OAK SCRUB, PALMETTO SCRUB, ROSEMARY SCRUB	G3	S2			2
SHELL MOUND		G3	S3			4

Total items 31
Total records tallied 57

October 4, 1988

FLORIDA NATURAL AREAS INVENTORY

ELEMENT OCCURRENCE RECORDS FOR ESCAMBIA COUNTY CURRENTLY IN THE INVENTORY DATABASE:

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
FISHES						
AMMOCRYPTA ASPRELLA	CRYSTAL DARTER	G3	S1	C2	LT	1
ETHEOSTOMA HISTRIO	HARLEQUIN DARTER	G4	S1	N	LS	3
ETHEOSTOMA PROELIARE	CYPRESS DARTER	G5	S2	N	N	2
FUNDULUS JENKINSI	SALTMARSH TOPMINNOW	G3	S2	N	LS	1
HYBOGNATHUS HAYI	CYPRESS MINNOW	G5?	S2	N	N	3
HYBOPSIS AESTIVALIS	SPECKLED CHUB	G5	S2	N	N	2
LEPISOSTEUS SPATULA	ALLIGATOR GAR	G5	S3	N	LS	1
MOXOSTOMA CARINATUM	RIVER REDHORSE	G4	S1	N	LS	2
PERCINA OUACHITAE	SADDLEBACK DARTER	G5	S1	N	N	6
AMPHIBIANS						
AMBYSTOMA CINGULATUM	FLATWOODS SALAMANDER	G4	S3?	C2	N	1
DESMOGNATHUS MONTICOLA	SEAL SALAMANDER	G5	S1	N	N	1
REPTILES						
ALLIGATOR MISSISSIPPIENSIS	AMERICAN ALLIGATOR	G5	S4	LTSA	LS	1
DRYMARCHON CORAIS COUPERI	EASTERN INDIGO SNAKE	G4T3	S3	LT	LT	2
GOPHERUS POLYPHEMUS	GOPHER TORTOISE	G2	S2	C2	LS	2
GRAPTEMYS PULCHRA	ALABAMA MAP TURTLE	G4?	S2	N	LS	1
MACROCLEMYS TEMMINCKII	ALLIGATOR SNAPPING TURTLE	G3?	S3?	C2	LS	1
NERODIA FASCIATA CLARKII	GULF SALT MARSH SNAKE	G5T3	S3?	N	N	2
TRIONYX MUTICUS CALVATUS	GULF COAST SMOOTH SOFTSHELL	G5T4?	S2?	N	N	1

October 4, 1988

FLORIDA NATURAL AREAS INVENTORY

ELEMENT OCCURRENCE RECORDS FOR ESCAMBIA COUNTY CURRENTLY IN THE INVENTORY DATABASE (continued):

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
BIRDS						
CASMERODIUS ALBUS	GREAT EGRET	G5	S4	N	N	1
PANDION HALIAETUS	OSPREY	G5	S3S4	N	LS*	1
RALLUS LONGIROSTRIS SCOTTII	FLORIDA CLAPPER RAIL	G5T3?	S3?	N	N	1
RYNCHOPS NIGER	BLACK SKIMMER	G5	S3	N	N	1
STERNA MAXIMA	ROYAL TERN	G5	S3	N	N	1
STERNA SANDVICENSIS	SANDWICH TERN	G4	S2	N	N	1
MAMMALS						
MUSTELA VISON LUTENSIS	FLORIDA MINK	G5T3	S3	C2	N	1
PEROMYSCUS POLIONOTUS TRISSYLLEPSIS	PERDIDO KEY BEACH MOUSE	G5T1	S1	LE	LE	1
SPECIAL PLANTS						
CHRYSOPSIS GODFREYI	GODFREY'S GOLDEN ASTER	G2	S2	N	N	12
CHRYSOPSIS GOSSYPINA SSP CRUISEANA	CRUISE'S GOLDEN ASTER	G3G5T2	S2	C1	LE	4
DROSERA INTERMEDIA	SPOON-LEAVED SUNDEW	G5	S3	N	LT	1
HELIANTHEMUM ARENICOLA	GULF ROCKROSE	G3G4	S3	N	N	1
POLYGONELLA MACROPHYLLA	LARGE-LEAVED JOINTWEED	G2	S2	C1	LT	7
SARRACENIA LEUCOPHYLLA	WHITE-TOP PITCHER-PLANT	G3G5	S3	C2	LE	5
SARRACENIA RUBRA	SWEET PITCHER-PLANT	G3	S2	C2	LE	1
LILIUM CATESBAEI	SOUTHERN RED LILY	G4G5	S2	N	LT	1
LILIUM IRIDOLLAE	PANHANDLE LILY	G1	S1	C2	LE	5
PLATANTHERA INTEGRA	YELLOW FRINGELESS ORCHID	G3G4	S3S4	3C	(LT)	1
XYRIS SCABRIFOLIA	HARPER'S YELLOW-EYED GRASS	G1G2Q	S1	C2	LT	1

ELEMENT OCCURRENCE RECORDS FOR ESCAMBIA COUNTY CURRENTLY IN THE INVENTORY DATABASE (continued):

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
NATURAL COMMUNITIES						
ESTUARINE MOLLUSK REEF		G3	S3			1
ESTUARINE TIDAL MARSH		G4	S4			1
BASIN SWAMP		G5	S4			1
BAYGALL		G4	S4			1
FLOODPLAIN SWAMP		G4	S4			1
SEEPAGE SLOPE	SEEPAGE HERB BOG	G4	S3			6
STRAND SWAMP	SLASH PINE SWAMP	G4	S4			1
WET FLATWOODS		G4	S4			1
WET PRAIRIE	PITCHER PLANT PRAIRIE	G5	S4			2
ALLUVIAL STREAM		G4	S2			2
BEACH DUNE		G4	S3			1
SCRUB	SAND PINE SCRUB	G3	S2			3
SLOPE FOREST	BEECH/MAGNOLIA FOREST	G3	S2			2

Total items 50
Total records tallied 103

October 4, 1988

FLORIDA NATURAL AREAS INVENTORY

ELEMENT OCCURRENCE RECORDS FOR FLAGLER COUNTY CURRENTLY IN THE INVENTORY DATABASE:

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
REPTILES						
ALLIGATOR MISSISSIPPIENSIS	AMERICAN ALLIGATOR	G5	S4	LTSA	LS	1
CARETTA CARETTA	LOGGERHEAD	G3	S2	LT	LT	1
DRYMARCHON CORAIS COUPERI	EASTERN INDIGO SNAKE	G4T3	S3	LT	LT	1
GOPHERUS POLYPHEMUS	GOPHER TORTOISE	G2	S2	C2	LS	3
BIRDS						
APHELOCOMA COERULESCENS COERULESCENS	FLORIDA SCRUB JAY	G5T3	S3	LT	LT	2
MAMMALS						
URSUS AMERICANUS FLORIDANUS	FLORIDA BLACK BEAR	G5T3	S3	C2	LT*	1
SPECIAL PLANTS						
GLANDULARIA MARITIMA	COASTAL VERVAIN	G2	S2	C2	RE	2
HELIANTHUS CARNOSUS	LAKE-SIDE SUNFLOWER	G2	S2	C2	RE	1
PAVONIA SPINIFEX	YELLOW HIBISCUS	G4G5	S2S3	N	N	1
PYCNANTHEMUM FLORIDANUM	FLORIDA MOUNTAIN-MINT	G3	S3	3C	N	2
NEMASTYLIS FLORIDANA	FALL-FLOWERING IXIA	G2	S2	C2	LE	2
NATURAL COMMUNITIES						
ESTUARINE TIDAL MARSH		G4	S4			1
MARINE CONSOLIDATED SUBSTRATE		G3	S3			1
FLOODPLAIN SWAMP	FLOODPLAIN CYPRESS/CABBAGE PALM	G4	S4			1

October 4, 1988

FLORIDA NATURAL AREAS INVENTORY

ELEMENT OCCURRENCE RECORDS FOR FLAGLER COUNTY CURRENTLY IN THE INVENTORY DATABASE (continued):

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
NATURAL COMMUNITIES						
BEACH DUNE	TEMPERATE BEACH DUNE	G4	S3			1
COASTAL STRAND	TEMPERATE COASTAL STRAND	G3	S3			3
MARITIME HAMMOCK	TEMPERATE MARITIME HAMMOCK	G4	S3			1
SCRUB	OAK SCRUB	G3	S2			2

Total items 18
Total records tallied 27

October 4, 1988

FLORIDA NATURAL AREAS INVENTORY

ELEMENT OCCURRENCE RECORDS FOR FRANKLIN COUNTY CURRENTLY IN THE INVENTORY DATABASE:

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
REPTILES						
ALLIGATOR MISSISSIPPIENSIS	AMERICAN ALLIGATOR	G5	S4	LTSA	LS	2
CARETTA CARETTA	LOGGERHEAD	G3	S2	LT	LT	1
DRYMARCHON CORAIS COUPERI	EASTERN INDIGO SNAKE	G4T3	S3	LT	LT	4
EUMECES ANTHRACINUS	COAL SKINK	G5	S3	N	N	2
GOPHERUS POLYPHEMUS	GOPHER TORTOISE	G2	S2	C2	LS	4
GRAPTEMYS BARBOURI	BARBOUR'S MAP TURTLE	G2	S2	C2	LS	1
MACROCLEMYS TEMMINCKII	ALLIGATOR SNAPPING TURTLE	G3?	S3?	C2	LS	1
NERODIA FASCIATA CLARKII	GULF SALT MARSH SNAKE	G5T3	S3?	N	N	5
BIRDS						
AMMODRAMUS MARITIMUS JUNCICOLUS	WAKULLA SEASIDE SPARROW	G4T2	S2	C2	LS	1
CASMERODIUS ALBUS	GREAT EGRET	G5	S4	N	N	1
CHARADRIUS ALEXANDRINUS	SNOWY PLOVER	G4?	S2	C2	LT	3
CHARADRIUS MELODUS	PIPING PLOVER	G2	S2	LT	LT	2
EGRETTA CAERULEA	LITTLE BLUE HERON	G5	S4	N	LS	1
EGRETTA RUFESCENS	REDDISH EGRET	G4	S2	C2	LS	1
EGRETTA THULA	SNOWY EGRET	G5	S4	N	LS	2
EGRETTA TRICOLOR	TRICOLORED HERON	G5	S4	N	LS	2
FALCO COLUMBARIUS	MERLIN	G4	SU	N	N	2
FALCO PEREGRINUS	PEREGRINE FALCON	G3	S2	LT	LE	3
HAEMATOPUS PALLIATUS	AMERICAN OYSTERCATCHER	G5	S3	N	LS	4
HALIAEETUS LEUCOCEPHALUS	BALD EAGLE	G3	S2S3	LE	LT	2
IXOBRYCHUS EXILIS	LEAST BITTERN	G5	S4	N	N	3
LATERALLUS JAMAICENSIS	BLACK RAIL	G5	S3?	N	N	1
PANDION HALIAETUS	OSPREY	G5	S3S4	N	LS*	2
PELECANUS OCCIDENTALIS	BROWN PELICAN	G5	S3	AC	LS	2
PICOIDES BOREALIS	RED-COCKADED WOODPECKER	G2	S2	LE	LT	1
RYNCHOPS NIGER	BLACK SKIMMER	G5	S3	N	N	3
STERNA ANTILLARUM	LEAST TERN	G4	S3	N	LT	2
STERNA CASPIA	CASPIAN TERN	G5	S2?	N	N	2
STERNA MAXIMA	ROYAL TERN	G5	S3	N	N	1

October 4, 1988

FLORIDA NATURAL AREAS INVENTORY

ELEMENT OCCURRENCE RECORDS FOR FRANKLIN COUNTY CURRENTLY IN THE INVENTORY DATABASE (continued):

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
MAMMALS						
URSUS AMERICANUS FLORIDANUS	FLORIDA BLACK BEAR	G5T3	S3	C2	LT*	1
SPECIAL PLANTS						
ASCLEPIAS VIRIDULA	SOUTHERN MILKWEED	G2	S2	C2	LT	16
ASTER SPINULOSUS	PINE-WOODS ASTER	G1	S1	C2	LT	1
BAPTISIA SIMPLICIFOLIA	SCARE-WEED	G2G3	S2S3	C2	LT	24
CUPHEA ASPERA	TROPICAL WAXWEED	G2?	S2	C2	N	2
EUPHORBIA TELEPHIOIDES	TELEPHUS SPURGE	G1	S1	C2	RE	2
GENTIANA PENNELLIANA	WIREGRASS GENTIAN	G2?	S2	3C	LE	6
HEDEOMA GRAVEOLENS	MOCK PENNYROYAL	G2	S2	C1	LE	2
HELIANTHEMUM ARENICOLA	GULF ROCKROSE	G3G4	S3	N	N	1
JUSTICIA CRASSIFOLIA	THICK-LEAVED WATER-WILLOW	G2?	S2	C2	RT	14
LEITNERIA FLORIDANA	CORKWOOD	G3G4	S3	3C	LT	2
LIATRIS PROVINCIALIS	GODFREY'S BLAZING STAR	G2	S2	C2	LE	10
LINUM WESTII	WEST'S FLAX	G2	S2	C2	LT	3
LUPINUS WESTIANUS	GULF COAST LUPINE	G2	S2	3C	LT	9
LYTHRUM CURTISSII	CURTISS' LOOSESTRIFE	G1	S1	C2	RE	1
MACBRIDEA ALBA	WHITE BIRDS-IN-A-NEST	G1	S1	C2	LE	17
MYRIOPHYLLUM LAXUM	PIEDMONT WATER-MILFOIL	G2G3	S2S3	C2	N	5
PARNASSIA CAROLINIANA	CAROLINA GRASS-OF-PARNASSUS	G2	S1	C2	RE	25
PARNASSIA GRANDIFOLIA	LARGE-FLOWERED GRASS-OF-PARNASSUS	G2G3	S2	N	LE	2
PINGUICULA IONANTHA	VIOLET-FLOWERED BUTTERWORT	G2	S2	C2	RE	3
PINGUICULA PLANIFOLIA	CHAPMAN'S BUTTERWORT	G3?	S2	C2	RE	8
PITYOPSIS FLEXUOSA	BENT GOLDEN ASTER	G3	S3	C2	LE	2
POLYGONELLA MACROPHYLLA	LARGE-LEAVED JOINTWEED	G2	S2	C1	LT	2
RHEXIA PARVIFLORA	A MEADOWBEAUTY	G2	S2	C2	LE	4
SCUTELLARIA FLORIDANA	FLORIDA SKULLCAP	G1	S1	C2	RE	4
VERBESINA CHAPMANII	CHAPMAN'S CROWNBEARD	G2	S2	C2	LT	17
ANDROPOGON ARCTATUS	PINE-WOODS BLUESTEM	G3	S3	3C	N	1
HARPEROCALLIS FLAVA	HARPER'S BEAUTY	G1	S1	LE	LE	1

ELEMENT OCCURRENCE RECORDS FOR FRANKLIN COUNTY CURRENTLY IN THE INVENTORY DATABASE (continued):

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
SPECIAL PLANTS (cont.)						
LILIUM CATESBAEI	SOUTHERN RED LILY	G4G5	S2	N	LT	29
NOLINA ATOPOCARPA	FLORIDA BEAR-GRASS	G2	S2	C2	LE	49
PLATANTHERA INTEGRA	YELLOW FRINGELESS ORCHID	G3G4	S3S4	3C	(LT)	4
NATURAL COMMUNITIES						
ESTUARINE MOLLUSK REEF		G3	S3			3
ESTUARINE TIDAL MARSH		G4	S4			1
COASTAL DUNE LAKE		G2	S1			1
SWAMP LAKE		G4	S3			6
DEPRESSION MARSH		G5	S5			1
BLACKWATER STREAM		G4	S2			1
BEACH DUNE		G4	S3			4
COASTAL STRAND	PANHANDLE COASTAL STRAND	G3	S3			1
MARITIME HAMMOCK		G4	S3			2
MESIC FLATWOODS	INSULAR SLASH PINE FLATWOODS	G5	S5			1
OVERWASH PLAIN		G3	S3			1
SANDHILL	SCRUBBY LONGLEAF PINE FOREST	G4	S3			1
SCRUB	SAND PINE SCRUB	G3	S2			6
BIRD ROOKERY						1

Total items 74
Total records tallied 358

October 4, 1988

FLORIDA NATURAL AREAS INVENTORY

ELEMENT OCCURRENCE RECORDS FOR GULF COUNTY CURRENTLY IN THE INVENTORY DATABASE:

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
REPTILES						
ALLIGATOR MISSISSIPPIENSIS	AMERICAN ALLIGATOR	G5	S4	LTSA	LS	2
CARETTA CARETTA	LOGGERHEAD	G3	S2	LT	LT	1
EUMECES ANTHRACINUS	COAL SKINK	G5	S3	N	N	1
GOPHERUS POLYPHEMUS	GOPHER TORTOISE	G2	S2	C2	LS	2
GRAPTEMYS BARBOURI	BARBOUR'S MAP TURTLE	G2	S2	C2	LS	3
MACROCLEMYS TEMMINCKII	ALLIGATOR SNAPPING TURTLE	G3?	S3?	C2	LS	3
NERODIA FASCIATA CLARKII	GULF SALT MARSH SNAKE	G5T3	S3?	N	N	1
BIRDS						
ACCIPITER COOPERII	COOPER'S HAWK	G4	S3?	N	N	1
CHARADRIUS ALEXANDRINUS	SNOWY PLOVER	G4?	S2	C2	LT	1
CHARADRIUS MELODUS	PIPING PLOVER	G2	S2	LT	LT	1
EGRETTA THULA	SNOWY EGRET	G5	S4	N	LS	1
FALCO COLUMBARIUS	MERLIN	G4	SU	N	N	1
FALCO PEREGRINUS	PEREGRINE FALCON	G3	S2	LT	LE	1
HALIAEETUS LEUCOCEPHALUS	BALD EAGLE	G3	S2S3	LE	LT	3
PANDION HALIAETUS	OSPREY	G5	S3S4	N	LS*	1
PELECANUS OCCIDENTALIS	BROWN PELICAN	G5	S3	AC	LS	1
PICOIDES VILLOSUS	HAIRY WOODPECKER	G5	S3?	N	N	1
RYNCHOPS NIGER	BLACK SKIMMER	G5	S3	N	N	1
STERNA MAXIMA	ROYAL TERN	G5	S3	N	N	1
MAMMALS						
URSUS AMERICANUS FLORIDANUS	FLORIDA BLACK BEAR	G5T3	S3	C2	LT*	2

ELEMENT OCCURRENCE RECORDS FOR GULF COUNTY CURRENTLY IN THE INVENTORY DATABASE (continued):

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
SPECIAL PLANTS						
ASCLEPIAS VIRIDULA	SOUTHERN MILKWEED	G2	S2	C2	LT	3
ASTER SPINULOSUS	PINE-WOODS ASTER	G1	S1	C2	LT	3
CUPHEA ASPERA	TROPICAL WAXWEED	G2?	S2	C2	N	7
EUPHORBIA TELEPHIOIDES	TELEPHUS SPURGE	G1	S1	C2	RE	4
GENTIANA PENNELLIANA	WIREGRASS GENTIAN	G2?	S2	3C	LE	3
HELIANTHEMUM ARENICOLA	GULF ROCKROSE	G3G4	S3	N	N	1
JUSTICIA CRASSIFOLIA	THICK-LEAVED WATER-WILLOW	G2?	S2	C2	RT	4
LINUM WESTII	WEST'S FLAX	G2	S2	C2	LT	1
LUPINUS WESTIANUS	GULF COAST LUPINE	G2	S2	3C	LT	2
MACBRIDEA ALBA	WHITE BIRDS-IN-A-NEST	G1	S1	C2	LE	1
MYRIOPHYLLUM LAXUM	PIEDMONT WATER-MILFOIL	G2G3	S2S3	C2	N	1
PINGUICULA IONANTHA	VIOLET-FLOWERED BUTTERWORT	G2	S2	C2	RE	1
PINGUICULA PLANIFOLIA	CHAPMAN'S BUTTERWORT	G3?	S2	C2	RE	1
RHODODENDRON CHAPMANII	CHAPMAN'S RHODODENDRON	G1G2	S1S2	LE	LE	6
RUDBECKIA NITIDA	ST. JOHN'S-SUSAN	G3	S1	C2	LE	1
SCUTELLARIA FLORIDANA	FLORIDA SKULLCAP	G1	S1	C2	RE	3
VERBESINA CHAPMANII	CHAPMAN'S CROWNBEARD	G2	S2	C2	LT	7
LILIUM CATESBAEI	SOUTHERN RED LILY	G4G5	S2	N	LT	1
NATURAL COMMUNITIES						
ESTUARINE MOLLUSK REEF		G3	S3			2
FLOODPLAIN SWAMP	FLOODPLAIN CYPRESS-TUPELO	G4	S4			1
WET FLATWOODS	LONGLEAF PINE SAVANNA	G4	S4			1
BEACH DUNE		G4	S3			1
MESIC FLATWOODS		G5	S5			1
SCRUB	SAND PINE SCRUB	G3	S2			2
UPLAND PINE FOREST	OPEN LONGLEAF PINE FOREST?	G5	S4			1

Total items 45
Total records tallied 88

October 4, 1988

FLORIDA NATURAL AREAS INVENTORY

ELEMENT OCCURRENCE RECORDS FOR HERNANDO COUNTY CURRENTLY IN THE INVENTORY DATABASE:

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
REPTILES						
DRYMARCHON CORAIS COUPERI	EASTERN INDIGO SNAKE	G4T3	S3	LT	LT	2
GOPHERUS POLYPHEMUS	GOPHER TORTOISE	G2	S2	C2	LS	1
BIRDS						
APHELOCOMA COERULESCENS COERULESCENS	FLORIDA SCRUB JAY	G5T3	S3	LT	LT	2
HALIAEETUS LEUCOCEPHALUS	BALD EAGLE	G3	S2S3	LE	LT	7
PICOIDES BOREALIS	RED-COCKADED WOODPECKER	G2	S2	LE	LT	2
MAMMALS						
PODOMYS FLORIDANUS	FLORIDA MOUSE	G3	S3	C2	LS	1
URSUS AMERICANUS FLORIDANUS	FLORIDA BLACK BEAR	G5T3	S3	C2	LT*	1
INVERTEBRATES						
CRANGONYX GRANDIMANUS	FLORIDA CAVE AMPHIPOD	G2	S2	C2	N	1
CRANGONYX HOBBSI	HOBBS' CAVE AMPHIPOD	G2G3	S2S3	C2	N	1
PROCAMBARUS LEITHEUSERI	LEITHEUSER'S CAVE CRAYFISH	G2	S2	N	N	5
TROGLOCAMBARUS MACLANEI	MCLANE'S CAVE CRAYFISH	G2	S2	N	N	1
SPECIAL PLANTS						
AGRIMONIA INCISA	INCISED GROOVE-BUR	G3	S2	C2	N	1
CAMPANULA ROBINSIAE	BROOKSVILLE BELLFLOWER	G1	S1	PE	LE	3
CENTROSEMA ARENICOLA	SAND BUTTERFLY PEA	G2?	S1S3	3C	N	3
GLANDULARIA TAMPENSIS	TAMPA VERVAIN	G1	S1	C1	RE	1
JUSTICIA COOLEYI	COOLEY'S WATER-WILLOW	G1G2	S1S2	PE	LE	7

ELEMENT OCCURRENCE RECORDS FOR HERNANDO COUNTY CURRENTLY IN THE INVENTORY DATABASE (continued):

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
SPECIAL PLANTS (cont.)						
MONOTROPSIS REYNOLDSIAE	PIGMY-PIPES	G1Q	S1	C2	LE	1
PYCNANTHEMUM FLORIDANUM	FLORIDA MOUNTAIN-MINT	G3	S3	3C	N	2
COELORACHIS TUBERCULOSA	PIEDMONT JOINTGRASS	G3	S3	C2	N	1
DIGITARIA FLORIDANA	FLORIDA CRABGRASS	G1?	S1	C2	N	1
NOLINA BRITTONIANA	BRITTON'S BEAR-GRASS	G2	S2	C2	RE	1
TRIPHORA CRAIGHEADII	CRAIGHEAD'S NODDING-CAPS	G1	S1	C2	(LT)	2
ASPLENIUM AURITUM	AURICLED SPLEENWORT	G?	S2	N	LE	1
ASPLENIUM PUMILUM	DWARF SPLEENWORT	G?	S1	N	LE	1
BLECHNUM OCCIDENTALE	SINKHOLE FERN	G5	S1	N	LE	2
NATURAL COMMUNITIES						
MARINE TIDAL MARSH		G3	S3			1
BASIN SWAMP	CYPRESS SWAMP	G5	S4			1
HYDRIC HAMMOCK		G4	S3			1
AQUATIC CAVE		G3	S2			5
ROCKLAND HAMMOCK		G3	S2			1
SANDHILL		G4	S3			1
SCRUB		G3	S2			2
SINKHOLE		G3	S2			2

Total items 33
Total records tallied 65

October 4, 1988

FLORIDA NATURAL AREAS INVENTORY

ELEMENT OCCURRENCE RECORDS FOR HILLSBOROUGH COUNTY CURRENTLY IN THE INVENTORY DATABASE:

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
AMPHIBIANS						
RANA AREOLATA	GOPHER FROG	G4	S3	C2	LS	1
REPTILES						
ALLIGATOR MISSISSIPPIENSIS	AMERICAN ALLIGATOR	G5	S4	LTSA	LS	1
DRYMARCHON CORAIS COUPERI	EASTERN INDIGO SNAKE	G4T3	S3	LT	LT	10
GOPHERUS POLYPHEMUS	GOPHER TORTOISE	G2	S2	C2	LS	6
STILOSOMA EXTENUATUM	SHORT-TAILED SNAKE	G3	S3	C2	LT	6
BIRDS						
AJAIA AJAJA	ROSEATE SPOONBILL	G5	S2S3	N	LS	1
ARAMUS GUARAUNA	LIMPKIN	G5	S3	N	LS	1
CASMERODIUS ALBUS	GREAT EGRET	G5	S4	N	N	2
EGRETTA CAERULEA	LITTLE BLUE HERON	G5	S4	N	LS	2
EGRETTA RUFESCENS	REDDISH EGRET	G4	S2	C2	LS	1
EGRETTA THULA	SNOWY EGRET	G5	S4	N	LS	2
EGRETTA TRICOLOR	TRICOLORED HERON	G5	S4	N	LS	1
EUDOCIMUS ALBUS	WHITE IBIS	G5	S4	N	N	2
GRUS CANADENSIS PRATENSIS	FLORIDA SANDHILL CRANE	G5T2T3	S2S3	N	LT	1
HALIAEETUS LEUCOCEPHALUS	BALD EAGLE	G3	S2S3	LE	LT	6
MYCTERIA AMERICANA	WOOD STORK	G5	S2	LE	LE	1
NYCTICORAX NYCTICORAX	BLACK-CROWNED NIGHT-HERON	G5	S3?	N	N	1
NYCTICORAX VIOLACEUS	YELLOW-CROWNED NIGHT-HERON	G5	S3?	N	N	1
PANDION HALIAETUS	OSPREY	G5	S3S4	N	LS*	1
PELECANUS OCCIDENTALIS	BROWN PELICAN	G5	S3	AC	LS	1
PLEGADIS FALCINELLUS	GLOSSY IBIS	G5	S2	N	N	1
STERNA ANTILLARUM	LEAST TERN	G4	S3	N	LT	1

October 4, 1988

FLORIDA NATURAL AREAS INVENTORY

ELEMENT OCCURRENCE RECORDS FOR HILLSBOROUGH COUNTY CURRENTLY IN THE INVENTORY DATABASE (continued):

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
MAMMALS						
SCIURUS NIGER SHERMANI	SHERMAN'S FOX SQUIRREL	G5T2	S2	C2	LS	1
SPECIAL PLANTS						
CENTROSEMA ARENICOLA	SAND BUTTERFLY PEA	G2?	S1S3	3C	N	3
CHIONANTHUS PYGMAEUS	PYGMY FRINGE-TREE	G2	S2	LE	LE	1
CHRYSOPSIS FLORIDANA	FLORIDA GOLDEN ASTER	G1	S1	LE	LE	6
GLANDULARIA TAMPENSIS	TAMPA VERVAIN	G1	S1	C1	RE	5
HELIANTHUS DEBILIS SSP VESTITUS	HAIRY BEACH SUNFLOWER	G5?T2	S2	C1	N	4
LECHEA CERNUA	NODDING PINWEED	G3	S3	C2	RE	1
SOPHORA TOMENTOSA	NECKLACE POD	G4	S3	N	N	1
PELTANDRA SAGITTIFOLIA	SPOON-FLOWER	G3G4	S3	N	N	2
PTEROGLOSSASPIS ECRISTATA	A WILD COCO	G3G4	S2	C2	(LT)	1
TRIPHORA LATIFOLIA	BROAD-LEAVED NODDING-CAPS	GH	SH	C2	(LT)	1
ASPLENIUM AURITUM	AURICLED SPLEENWORT	G?	S2	N	LE	2
NATURAL COMMUNITIES						
HYDRIC HAMMOCK		G4	S3			1
SCRUB		G3	S2			4

Total items 36
Total records tallied 83

October 4, 1988

FLORIDA NATURAL AREAS INVENTORY

ELEMENT OCCURRENCE RECORDS FOR INDIAN RIVER COUNTY CURRENTLY IN THE INVENTORY DATABASE:

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
REPTILES						
CARETTA CARETTA	LOGGERHEAD	G3	S2	LT	LT	1
CHELONIA MYDAS	GREEN TURTLE	G3	S2	LE	LE	1
DERMOCHELYS CORIACEA	LEATHERBACK TURTLE	G3	S2	LE	LE	1
DRYMARCHON CORAIS COUPERI	EASTERN INDIGO SNAKE	G4T3	S3	LT	LT	4
GOPHERUS POLYPHEMUS	GOPHER TORTOISE	G2	S2	C2	LS	1
SCELOPORUS WOODI	FLORIDA SCRUB LIZARD	G3	S3	C2	N	2
BIRDS						
APHELOCOMA COERULESCENS COERULESCENS	FLORIDA SCRUB JAY	G5T3	S3	LT	LT	4
CASMERODIUS ALBUS	GREAT EGRET	G5	S4	N	N	3
EGRETTA CAERULEA	LITTLE BLUE HERON	G5	S4	N	LS	3
EGRETTA RUFESCENS	REDDISH EGRET	G4	S2	C2	LS	1
EGRETTA THULA	SNOWY EGRET	G5	S4	N	LS	3
EGRETTA TRICOLOR	TRICOLORED HERON	G5	S4	N	LS	3
EUDOCIMUS ALBUS	WHITE IBIS	G5	S4	N	N	3
HALIAEETUS LEUCOCEPHALUS	BALD EAGLE	G3	S2S3	LE	LT	1
MYCTERIA AMERICANA	WOOD STORK	G5	S2	LE	LE	1
NYCTICORAX NYCTICORAX	BLACK-CROWNED NIGHT-HERON	G5	S3?	N	N	3
NYCTICORAX VIOLACEUS	YELLOW-CROWNED NIGHT-HERON	G5	S3?	N	N	1
PELECANUS OCCIDENTALIS	BROWN PELICAN	G5	S3	AC	LS	2
PICOIDES BOREALIS	RED-COCKADED WOODPECKER	G2	S2	LE	LT	1
POLYBORUS PLANCUS	CRESTED CARACARA	G5	S2	LT	LT	1
STERNA ANTILLARUM	LEAST TERN	G4	S3	N	LT	1

ELEMENT OCCURRENCE RECORDS FOR INDIAN RIVER COUNTY CURRENTLY IN THE INVENTORY DATABASE (continued):

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
SPECIAL PLANTS						
CEREUS GRACILIS	PRICKLY-APPLE	G2G3	S2S3	C2	LE	1
CONRADINA GRANDIFLORA	LARGE-FLOWERED ROSEMARY	G3	S3	C2	RE	5
DICERANDRA IMMACULATA	LAKELA'S MINT	G1	S1	LE	LE	2
ERNODEA LITTORALIS	BEACH-CREEPER	G4	S3	N	LT	4
GLANDULARIA MARITIMA	COASTAL VERVAIN	G2	S2	C2	RE	2
LECHEA CERNUA	NODDING PINWEED	G3	S3	C2	RE	1
SOPHORA TOMENTOSA	NECKLACE POD	G4	S3	N	N	1
TEPHROSIA ANGUSTISSIMA	A DEVIL'S SHOESTRING	G1Q	S1	C1	RE	1
OPHIOGLOSSUM PALMATUM	HAND FERN	G1G3	S1	3C	LE	1
NATURAL COMMUNITIES						
BEACH BUNE	BEACH DUNE	G4	S3			1
BEACH DUNE	TROPICAL BEACH DUNE	G4	S3			2
COASTAL STRAND	TROPICAL COASTAL STRAND	G3	S3			4
MARITIME HAMMOCK	TEMPERATE MARITIME HAMMOCK	G4	S3			4
SCRUB		G3	S2			6

Total items 35
Total records tallied 76

October 4, 1988

FLORIDA NATURAL AREAS INVENTORY

ELEMENT OCCURRENCE RECORDS FOR JEFFERSON COUNTY CURRENTLY IN THE INVENTORY DATABASE:

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
AMPHIBIANS						
AMPHIUMA PHOLETER	ONE-TOED AMPHIUMA	G3	S3	N	N	1
REPTILES						
ALLIGATOR MISSISSIPPIENSIS	AMERICAN ALLIGATOR	G5	S4	LTSA	LS	1
CLEMMYS GUTTATA	SPOTTED TURTLE	G5	S3?	N	N	1
DRYMARCHON CORAIS COUPERI	EASTERN INDIGO SNAKE	G4T3	S3	LT	LT	2
GOPHERUS POLYPHEMUS	GOPHER TORTOISE	G2	S2	C2	LS	1
MACROCLEMYS TEMMINCKII	ALLIGATOR SNAPPING TURTLE	G3?	S3?	C2	LS	1
PSEUDEMYS CONCINNA SUWANNIENSIS	SUWANNEE COOTER	G5T3	S3	3C	LS	1
BIRDS						
ARAMUS GUARAUNA	LIMPKIN	G5	S3	N	LS	1
HALIAEETUS LEUCOCEPHALUS	BALD EAGLE	G3	S2S3	LE	LT	1
PICOIDES BOREALIS	RED-COCKADED WOODPECKER	G2	S2	LE	LT	1
MAMMALS						
URSUS AMERICANUS FLORIDANUS	FLORIDA BLACK BEAR	G5T3	S3	C2	LT*	2
INVERTEBRATES						
PROCAMBARUS HORSTI	HORST'S CAVE CRAYFISH	G1	S1	N	N	1

October 4, 1988

FLORIDA NATURAL AREAS INVENTORY

ELEMENT OCCURRENCE RECORDS FOR JEFFERSON COUNTY CURRENTLY IN THE INVENTORY DATABASE (continued):

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
SPECIAL PLANTS						
BRICKELLIA CORDIFOLIA	FLYR'S BRICKELL-BUSH	G2G3	S2	C2	LT	1
BUMELIA LYCIOIDES	BUCKTHORN	G5	S2	N	LT	1
RIBES ECHINELLUM	MICCOSUKEE GOOSEBERRY	G1	S1	LT	LE	2
SALIX FLORIDANA	FLORIDA WILLOW	G2	S2	C2	LT	1
NATURAL COMMUNITIES						
BLACKWATER STREAM		G4	S2			1
SPRING-RUN STREAM		G2	S2			2
AQUATIC CAVE		G3	S2			1
OTHER						
GEOLOGICAL FEATURE	WACISSA RIVER					1

Total items 20
Total records tallied 24

October 4, 1988

FLORIDA NATURAL AREAS INVENTORY

ELEMENT OCCURRENCE RECORDS FOR LEE COUNTY CURRENTLY IN THE INVENTORY DATABASE:

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
REPTILES						
CARETTA CARETTA	LOGGERHEAD	G3	S2	LT	LT	3
DRYMARCHON CORAIS COUPERI	EASTERN INDIGO SNAKE	G4T3	S3	LT	LT	9
GOPHERUS POLYPHEMUS	GOPHER TORTOISE	G2	S2	C2	LS	3
SCELOPORUS WOODI	FLORIDA SCRUB LIZARD	G3	S3	C2	N	1
BIRDS						
APHELOCOMA COERULESCENS COERULESCENS	FLORIDA SCRUB JAY	G5T3	S3	LT	LT	7
ATHENE CUNICULARIA FLORIDANA	FLORIDA BURROWING OWL	G5T3	S3	N	LS	1
CASMERODIUS ALBUS	GREAT EGRET	G5	S4	N	N	14
CHARADRIUS MELODUS	PIPING PLOVER	G2	S2	LT	LT	1
DENDROICA DISCOLOR PALUDICOLA	FLORIDA PRAIRIE WARBLER	G5T3	S3	N	N	1
EGRETTA CAERULEA	LITTLE BLUE HERON	G5	S4	N	LS	8
EGRETTA THULA	SNOWY EGRET	G5	S4	N	LS	13
EGRETTA TRICOLOR	TRICOLORED HERON	G5	S4	N	LS	12
EUDOCIMUS ALBUS	WHITE IBIS	G5	S4	N	N	3
FREGATA MAGNIFICENS	MAGNIFICENT FRIGATEBIRD	G5	S1	N	N	1
HALIAEETUS LEUCOCEPHALUS	BALD EAGLE	G3	S2S3	LE	LT	17
NYCTICORAX VIOLACEUS	YELLOW-CROWNED NIGHT-HERON	G5	S3?	N	N	1
PANDION HALIAETUS	OSPREY	G5	S3S4	N	LS*	1
PELECANUS OCCIDENTALIS	BROWN PELICAN	G5	S3	AC	LS	9
POLYBORUS PLANCUS	CRESTED CARACARA	G5	S2	LT	LT	3
VIREO ALTILOQUUS	BLACK-WHISKERED VIREO	G5	S3	N	N	1
MAMMALS						
ORYZOMYS PALUSTRIS PLANIROSTRIS	PINE ISLAND RICE RAT	G5T1	S1	C2	N	2
ORYZOMYS PALUSTRIS SANIBELI	SANIBEL ISLAND RICE RAT	G5T1	S1	C2	LS	3
SIGMODON HISPIDUS INSULICOLA	INSULAR COTTON RAT	G5T1T2	S1S2	C2	N	4
TRICHECHUS MANATUS	WEST INDIAN MANATEE	G2?	S2?	LE	LE	1

ELEMENT OCCURRENCE RECORDS FOR LEE COUNTY CURRENTLY IN THE INVENTORY DATABASE (continued):

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
SPECIAL PLANTS						
CELTIS PALLIDA	SPINY HACKBERRY	G?	S1	N	LE	3
CEREUS GRACILIS	PRICKLY-APPLE	G2G3	S2S3	C2	LE	3
CHAMAESYCE CUMULICOLA	SAND-DUNE SPURGE	G2	S2	C2	N	2
DEERINGOTHAMNUS PULCHELLUS	BEAUTIFUL PAWPAW	G1	S1	LE	LE	1
ERNODEA LITTORALIS	BEACH-CREEPER	G4	S3	N	LT	4
EUGENIA RHOMBEA	RED STOPPER	G?	S1	N	LE	1
FORESTIERA SEGREGATA VAR PINETORUM	FLORIDA PINEWOOD PRIVET	G2T2	S2	C1	N	1
JACQUINIA KEYENSIS	JOEWOOD	G4	S3	N	LT	5
SOPHORA TOMENTOSA	NECKLACE POD	G4	S3	N	N	4
ERAGROSTIS TRACYI	SANIBEL LOVEGRASS	G2	S2	C2	LT	6
PANICUM PINETORUM	BONITA SPRINGS PANIC GRASS	G2?Q	S2	C2	N	1
NATURAL COMMUNITIES						
MARINE TIDAL SWAMP		G3	S3			1
FLOODPLAIN SWAMP	POP ASH SWAMP	G4	S4			1
COASTAL BERM	^AGAVE BARREN^	G3	S2			4
MARITIME HAMMOCK	TROPICAL MARITIME HAMMOCK	G4	S3			1
MESIC FLATWOODS		G5	S5			1
SCRUB	OAK SCRUB	G3	S2			6
SHELL MOUND		G3	S3			4
OTHER						
BIRD ROOKERY						15

Total items 43
Total records tallied 183

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FLORIDA NATURAL AREAS INVENTORY

ELEMENT OCCURRENCE RECORDS FOR LEVY COUNTY CURRENTLY IN THE INVENTORY DATABASE:

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
AMPHIBIANS						
AMPHIUMA PHOLETER	ONE-TOED AMPHIUMA	G3	S3	N	N	4
REPTILES						
ALLIGATOR MISSISSIPPIENSIS	AMERICAN ALLIGATOR	G5	S4	LTSA	LS	1
DRYMARCHON CORAIS COUPERI	EASTERN INDIGO SNAKE	G4T3	S3	LT	LT	10
EUMECES EGREGIUS INSULARIS	CEDAR KEYS MOLE SKINK	G4?T1	S1	N	N	3
GOPHERUS POLYPHEMUS	GOPHER TORTOISE	G2	S2	C2	LS	9
MACROCLEMYS TEMMINCKII	ALLIGATOR SNAPPING TURTLE	G3?	S3?	C2	LS	2
NERODIA FASCIATA CLARKII	GULF SALT MARSH SNAKE	G5T3	S3?	N	N	8
PITUOPHIS MELANOLEUCUS MUGITUS	FLORIDA PINE SNAKE	G5T3?	S?	C2	LS	3
PSEUDEMYS CONCINNA SUWANNIENSIS	SUWANNEE COOTER	G5T3	S3	3C	LS	2
BIRDS						
ACCIPITER COOPERII	COOPER'S HAWK	G4	S3?	N	N	1
APHELOCOMA COERULESCENS COERULESCENS	FLORIDA SCRUB JAY	G5T3	S3	LT	LT	7
ATHENE CUNICULARIA FLORIDANA	FLORIDA BURROWING OWL	G5T3	S3	N	LS	1
CASMERODIUS ALBUS	GREAT EGRET	G5	S4	N	N	3
EGRETTA CAERULEA	LITTLE BLUE HERON	G5	S4	N	LS	1
EGRETTA TRICOLOR	TRICOLORED HERON	G5	S4	N	LS	1
EUDOCIMUS ALBUS	WHITE IBIS	G5	S4	N	N	1
FALCO SPARVERIUS PAULUS	SOUTHEASTERN AMERICAN KESTREL	G5T3T4	S3?	C2	LT	15
GRUS CANADENSIS PRATENSIS	FLORIDA SANDHILL CRANE	G5T2T3	S2S3	N	LT	2
HALIAEETUS LEUCOCEPHALUS	BALD EAGLE	G3	S2S3	LE	LT	11
PANDION HALIAETUS	OSPREY	G5	S3S4	N	LS*	1
PELECANUS OCCIDENTALIS	BROWN PELICAN	G5	S3	AC	LS	1
PICOIDES BOREALIS	RED-COCKADED WOODPECKER	G2	S2	LE	LT	1

ELEMENT OCCURRENCE RECORDS FOR LEVY COUNTY CURRENTLY IN THE INVENTORY DATABASE (continued):

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
MAMMALS						
MICROTUS PENNSYLVANICUS DUKECAMPBELLI	SALTMARSH VOLE	G5T1	S1	C2	LS	1
MUSTELA VISON LUTENSIS	FLORIDA MINK	G5T3	S3	C2	N	1
SCIURUS NIGER SHERMANI	SHERMAN'S FOX SQUIRREL	G5T2	S2	C2	LS	3
TRICHECHUS MANATUS	WEST INDIAN MANATEE	G2?	S2?	LE	LE	1
URSUS AMERICANUS FLORIDANUS	FLORIDA BLACK BEAR	G5T3	S3	C2	LT*	3
INVERTEBRATES						
CRANGONYX HOBBSI	HOBBS' CAVE AMPHIPOD	G2G3	S2S3	C2	N	1
PROCAMBARUS LUCIFUGUS	LIGHT-FLEEING CAVE CRAYFISH	G3	S3	N	N	2
PROCAMBARUS PALLIDUS	PALLID CAVE CRAYFISH	G2G3	S2S3	N	N	1
TROGLOCAMBARUS MACLANEI	MCLANE'S CAVE CRAYFISH	G2	S2	N	N	1
NEMAPALPUS NEARCTICUS	SUGARFOOT FLY	G?	S?	C2	N	1
SPECIAL PLANTS						
ANEMONE BERLANDIERI	TEXAS ANEMONE	G3G5Q	S2	N	N	1
DROSERA INTERMEDIA	SPOON-LEAVED SUNDEW	G5	S3	N	LT	1
LEITNERIA FLORIDANA	CORKWOOD	G3G4	S3	3C	LT	3
LITSEA AESTIVALIS	PONDSPICE	G4G5	S2	3C	LT	1
PHYLLANTHUS LEIBMANNIANUS SSP PLATYLEPIS	PINE-WOOD DAINTIES	G3G5	S3	3C	LT	4
SIUM FLORIDANUM	FLORIDA WATER-PARSNIP	G1Q	S1	C2	N	1
SPIGELIA LOGANIOIDES	A PINKROOT	G1G2	S1S2	3C	LE	3
ULMUS CRASSIFOLIA	CEDAR ELM	G4?	S1	N	N	2
PELTANDRA SAGITTIFOLIA	SPOON-FLOWER	G3G4	S3	N	N	1
ADIANTUM CAPILLUS-VENERIS	SOUTHERN MAIDENHAIR FERN	G5	S3S4	N	(LT)	1

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FLORIDA NATURAL AREAS INVENTORY

ELEMENT OCCURRENCE RECORDS FOR LEVY COUNTY CURRENTLY IN THE INVENTORY DATABASE (continued):

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
NATURAL COMMUNITIES						
ESTUARINE TIDAL MARSH		G4	S4			1
BASIN SWAMP	CYPRESS SWAMP AND BLACKGUM SWAMP	G5	S4			1
FLOODPLAIN SWAMP		G4	S4			2
FRESHWATER TIDAL SWAMP	CYPRESS/BLACKGUM/SWEETBAY/ASH SWAMP?	G3	S3			1
HYDRIC HAMMOCK		G4	S3			2
SPRING-RUN STREAM		G2	S2			2
AQUATIC CAVE		G3	S2			3
TERRESTRIAL CAVE		G3	S1			1
MARITIME HAMMOCK	TEMPERATE MARITIME HAMMOCK.	G4	S3			1
SANDHILL	LONGLEAF PINE/TURKEY OAK SANDHILL	G4	S3			1
SCRUB	OAK SCRUB	G3	S2			5
UPLAND HARDWOOD FOREST		G4	S3			1
UPLAND MIXED FOREST		G4	S4			1
XERIC HAMMOCK	ADVANCED XERIC FOREST	G3	S2			2
OTHER						
BIRD ROOKERY						3

Total items 57
Total records tallied 148

October 4, 1988

FLORIDA NATURAL AREAS INVENTORY

ELEMENT OCCURRENCE RECORDS FOR MANATEE COUNTY CURRENTLY IN THE INVENTORY DATABASE:

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
REPTILES						
ALLIGATOR MISSISSIPPIENSIS	AMERICAN ALLIGATOR	G5	S4	LTSA	LS	1
CARETTA CARETTA	LOGGERHEAD	G3	S2	LT	LT	1
DRYMARCHON CORAIS COUPERI	EASTERN INDIGO SNAKE	G4T3	S3	LT	LT	3
GOPHERUS POLYPHEMUS	GOPHER TORTOISE	G2	S2	C2	LS	2
BIRDS						
APHELOCOMA COERULESCENS COERULESCENS	FLORIDA SCRUB JAY	G5T3	S3	LT	LT	1
ATHENE CUNICULARIA FLORIDANA	FLORIDA BURROWING OWL	G5T3	S3	N	LS	1
CASMERODIUS ALBUS	GREAT EGRET	G5	S4	N	N	2
EGRETTA CAERULEA	LITTLE BLUE HERON	G5	S4	N	LS	1
EGRETTA THULA	SNOWY EGRET	G5	S4	N	LS	1
EGRETTA TRICOLOR	TRICOLORED HERON	G5	S4	N	LS	1
EUDOCIMUS ALBUS	WHITE IBIS	G5	S4	N	N	1
HALIAEETUS LEUCOCEPHALUS	BALD EAGLE	G3	S2S3	LE	LT	1
NYCTICORAX NYCTICORAX	BLACK-CROWNED NIGHT-HERON	G5	S3?	N	N	1
NYCTICORAX VIOLACEUS	YELLOW-CROWNED NIGHT-HERON	G5	S3?	N	N	1
POLYBORUS PLANCUS	CRESTED CARACARA	G5	S2	LT	LT	1
SPECIAL PLANTS						
CHRYSOPSIS FLORIDANA	FLORIDA GOLDEN ASTER	G1	S1	LE	LE	1
GLANDULARIA TAMPENSIS	TAMPA VERVAIN	G1	S1	C1	RE	2
HELIANTHUS DEBILIS SSP VESTITUS	HAIRY BEACH SUNFLOWER	G5?T2	S2	C1	N	3
LECHEA CERNUA	NODDING PINWEED	G3	S3	C2	RE	1
ERAGROSTIS TRACYI	SANIBEL LOVEGRASS	G2	S2	C2	LT	2

ELEMENT OCCURRENCE RECORDS FOR MANATEE COUNTY CURRENTLY IN THE INVENTORY DATABASE (continued):

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
NATURAL COMMUNITIES						
SLOUGH		G5	S5			1
DRY PRAIRIE	PALMETTO PRAIRIE	G2	S2			1
SCRUB	SAND PINE SCRUB	G3	S2			3
OTHER						
BIRD ROOKERY						2

Total items 24
Total records tallied 35

October 4, 1988

FLORIDA NATURAL AREAS INVENTORY

ELEMENT OCCURRENCE RECORDS FOR MARTIN COUNTY CURRENTLY IN THE INVENTORY DATABASE:

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
FISHES						
GOBIONELLUS STIGMATURUS	SPOTTAIL GOBY	G4	S3?	N	N	1
AMPHIBIANS						
RANA AREOLATA	GOPHER FROG	G4	S3	C2	LS	1
REPTILES						
ALLIGATOR MISSISSIPPIENSIS	AMERICAN ALLIGATOR	G5	S4	LTSA	LS	1
CARETTA CARETTA	LOGGERHEAD	G3	S2	LT	LT	2
CHELONIA MYDAS	GREEN TURTLE	G3	S2	LE	LE	2
DERMOCHELYS CORIACEA	LEATHERBACK TURTLE	G3	S2	LE	LE	2
DRYMARCHON CORAIS COUPERI	EASTERN INDIGO SNAKE	G4T3	S3	LT	LT	3
GOPHERUS POLYPHEMUS	GOPHER TORTOISE	G2	S2	C2	LS	3
SCELOPORUS WOODI	FLORIDA SCRUB LIZARD	G3	S3	C2	N	5
BIRDS						
APHELOCOMA COERULESCENS COERULESCENS	FLORIDA SCRUB JAY	G5T3	S3	LT	LT	11
CASMERODIUS ALBUS	GREAT EGRET	G5	S4	N	N	2
EGRETTA CAERULEA	LITTLE BLUE HERON	G5	S4	N	LS	2
EGRETTA THULA	SNOWY EGRET	G5	S4	N	LS	2
EGRETTA TRICOLOR	TRICOLORED HERON	G5	S4	N	LS	2
EUDOCIMUS ALBUS	WHITE IBIS	G5	S4	N	N	2
FALCO PEREGRINUS	PEREGRINE FALCON	G3	S2	LT	LE	1
GRUS CANADENSIS PRATENSIS	FLORIDA SANDHILL CRANE	G5T2T3	S2S3	N	LT	1
HALIAEETUS LEUCOCEPHALUS	BALD EAGLE	G3	S2S3	LE	LT	5
NYCTICORAX NYCTICORAX	BLACK-CROWNED NIGHT-HERON	G5	S3?	N	N	1
PANDION HALIAETUS	OSPREY	G5	S3S4	N	LS*	1

ELEMENT OCCURRENCE RECORDS FOR MARTIN COUNTY CURRENTLY IN THE INVENTORY DATABASE (continued):

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
BIRDS (cont.)						
PELECANUS OCCIDENTALIS	BROWN PELICAN	G5	S3	AC	LS	1
PICOIDES BOREALIS	RED-COCKADED WOODPECKER	G2	S2	LE	LT	1
POLYBORUS PLANCUS	CRESTED CARACARA	G5	S2	LT	LT	3
MAMMALS						
PODOMYS FLORIDANUS	FLORIDA MOUSE	G3	S3	C2	LS	1
SPECIAL PLANTS						
ASCLEPIAS CURTISSII	CURTISS' MILKWEED	G3	S3	N	LE	2
ASIMINA TETRAMERA	FOUR-PETAL PAWPAW	G1	S1	LE	LE	7
CHAMAESYCE CUMULICOLA	SAND-DUNE SPURGE	G2	S2	C2	N	2
CONRADINA GRANDIFLORA	LARGE-FLOWERED ROSEMARY	G3	S3	C2	RE	17
ERNODEA LITTORALIS	BEACH-CREEPER	G4	S3	N	LT	2
JACQUEMONTIA RECLINATA	BEACH JACQUEMONTIA	G1	S1	C2	LE	1
LECHEA CERNUA	NODDING PINWEED	G3	S3	C2	RE	3
LINUM CARTERI VAR SMALLII	CARTER'S LARGE-FLOWERED FLAX	G2T2	S2	C1	RE	1
PERSEA HUMILIS	SCRUB BAY	G5?T4	S3			7
POLYGALA SMALLII	TINY POLYGALA	G1	S1	LE	LE	1
RHYNCHOSIA CINEREA	BROWN-HAIRED SNOUTBEAN	G3	S3	C2	N	2
SOPHORA TOMENTOSA	NECKLACE POD	G4	S3	N	N	2
TOURNEFORTIA GNAPHALODES	SEA LAVENDER	G4	S3	N	LE	3
COELORACHIS TUBERCULOSA	PIEDMONT JOINTGRASS	G3	S3	C2	N	1
ONCIDIUM BAHAMENSE	DANCING-LADY ORCHID	G1G3Q	S1	N	LE	4
PTEROGLOSSASPIS ECRISTATA	A WILD COCO	G3G4	S2	C2	(LT)	1
REMIREA MARITIMA	BEACH-STAR	G3	S1	N	LE	4
VANILLA MEXICANA	SCENTLESS VANILLA	G1G3	S1	N	(LT)	1
OPHIOGLOSSUM PALMATUM	HAND FERN	G1G3	S1	3C	LE	2

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FLORIDA NATURAL AREAS INVENTORY

ELEMENT OCCURRENCE RECORDS FOR MARTIN COUNTY CURRENTLY IN THE INVENTORY DATABASE (continued):

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
NATURAL COMMUNITIES						
ESTUARINE TIDAL SWAMP		G3	S3			1
MARINE AQUATIC BED		G3	S3			1
MARINE CONSOLIDATED SUBSTRATE		G3	S3			1
MARINE REEF		G2	S1			1
MARINE SPONGE BED		G2	S2			1
BLACKWATER STREAM		G4	S2			1
BEACH DUNE	TROPICAL BEACH DUNE	G4	S3			5
COASTAL STRAND	TROPICAL COASTAL STRAND	G3	S3			1
MARITIME HAMMOCK	TROPICAL COASTAL HAMMOCK	G4	S3			3
MESIC FLATWOODS	SLASH PINE/PALMETTO FLATWOODS	G5	S5			1
SCRUB	SAND PINE SCRUB	G3	S2			27
SHELL MOUND		G3	S3			1

Total items 55
Total records tallied 163

October 4, 1988

FLORIDA NATURAL AREAS INVENTORY

ELEMENT OCCURRENCE RECORDS FOR MONROE COUNTY CURRENTLY IN THE INVENTORY DATABASE:

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
FISHES						
CYPRINODON VARIEGATUS POP 1	FLORIDA KEYS SHEEPSHEAD MINNOW	G5T2Q	S2	N	N	11
FUNDULUS GRANDIS SAGUANUS	SOUTHERN GULF KILLIFISH	G5T4	S3	N	N	9
FUNDULUS SIMILIS SSP 1	FLORIDA KEYS SOUTHERN LONGNOSE KILLIFISH	G5T2Q	S2	N	N	11
GAMBUSIA RHIZOPHORAE	MANGROVE GAMBUSIA	G3	S3	N	N	5
GOBIONELLUS STIGMATURUS	SPOTTAIL GOBY	G4	S3?	N	N	6
LUCANIA PARVA POP 1	FLORIDA KEYS RAINWATER KILLIFISH	G5T2Q	S2	N	N	8
MENIDIA CONCHORUM	KEY SILVERSIDE	G2Q	S2	N	LT	23
POECILIA LATIPINNA POP 1	FLORIDA KEYS SAILFIN MOLLY	G5T2Q	S2	N	N	11
STARKSIA STARCKI	KEY BLENNY	G1	S1	N	LS	1
REPTILES						
ALLIGATOR MISSISSIPPIENSIS	AMERICAN ALLIGATOR	G5	S4	LTSA	LS	6
CARETTA CARETTA	LOGGERHEAD	G3	S2	LT	LT	1
CHELONIA MYDAS	GREEN TURTLE	G3	S2	LE	LE	2
CROCODYLUS ACUTUS	AMERICAN CROCODILE	G2?	S1	LE	LE	1
DIADOPHIS PUNCTATUS ACRICUS	KEY RINGNECK SNAKE	G5T1	S1	C2	LT	1
DRYMARCHON CORAIS COUPERI	EASTERN INDIGO SNAKE	G4T3	S3	LT	LT	12
ELAPHE GUTTATA POP 1	LOWER KEYS RED RAT SNAKE	G5T2Q	S2	N	LS	17
ERETMOCHELYS IMBRICATA	HAWKSBILL	G3?	S1	LE	LE	1
EUMECES EGREGIUS EGREGIUS	FLORIDA KEYS MOLE SKINK	G4?T2	S2	C2	LS	10
GOPHERUS POLYPHEMUS	GOPHER TORTOISE	G2	S2	C2	LS	1
KINOSTERNON BAURII POP 1	KEY MUD TURTLE	G5T2Q	S2	C2	LE	17
MALACLEMYS TERRAPIN RHIZOPHORARUM	MANGROVE TERRAPIN	G5T2?	S2?	N	N	14
STORERIA DEKAYI POP 1	LOWER KEYS BROWN SNAKE	G5T1Q	S1	N	LT	3
TANTILLA OOLITICA	RIM ROCK CROWNED SNAKE	G1G2Q	S1S2	C2	LT	4
THAMNOPHIS SAURITUS POP 1	LOWER KEYS RIBBON SNAKE	G5T1Q	S1	N	LT	5

ELEMENT OCCURRENCE RECORDS FOR MONROE COUNTY CURRENTLY IN THE INVENTORY DATABASE (continued):

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
BIRDS						
AJAIA AJAJA	ROSEATE SPOONBILL	G5	S2S3	N	LS	12
ANOUS STOLIDUS	BROWN NODDY	G5	S1	N	N	1
ARDEA HERODIAS OCCIDENTALIS	GREAT WHITE HERON	G5T2	S2	N	N	43
CASMERODIUS ALBUS	GREAT EGRET	G5	S4	N	N	25
CHARADRIUS MELODUS	PIPING PLOVER	G2	S2	LT	LT	4
COCCYZUS MINOR	MANGROVE CUCKOO	G5	S3	N	N	2
COLUMBA LEUCOCEPHALA	WHITE-CROWNED PIGEON	G3	S2	C2	LT	43
DENDROICA DISCOLOR PALUDICOLA	FLORIDA PRAIRIE WARBLER	G5T3	S3	N	N	9
EGRETTA CAERULEA	LITTLE BLUE HERON	G5	S4	N	LS	8
EGRETTA RUFESCENS	REDDISH EGRET	G4	S2	C2	LS	10
EGRETTA THULA	SNOWY EGRET	G5	S4	N	LS	14
EGRETTA TRICOLOR	TRICOLORED HERON	G5	S4	N	LS	13
EUDOCIMUS ALBUS	WHITE IBIS	G5	S4	N	N	15
FALCO PEREGRINUS	PEREGRINE FALCON	G3	S2	LT	LE	2
FALCO SPARVERIUS PAULUS	SOUTHEASTERN AMERICAN KESTREL	G5T3T4	S3?	C2	LT	1
FREGATA MAGNIFICENS	MAGNIFICENT FRIGATEBIRD	G5	S1	N	N	1
HALIAEETUS LEUCOCEPHALUS	BALD EAGLE	G3	S2S3	LE	LT	52
MYCTERIA AMERICANA	WOOD STORK	G5	S2	LE	LE	4
NYCTICORAX NYCTICORAX	BLACK-CROWNED NIGHT-HERON	G5	S3?	N	N	3
NYCTICORAX VIOLACEUS	YELLOW-CROWNED NIGHT-HERON	G5	S3?	N	N	1
PELECANUS OCCIDENTALIS	BROWN PELICAN	G5	S3	AC	LS	12
PICOIDES BOREALIS	RED-COCKADED WOODPECKER	G2	S2	LE	LT	5
RALLUS LONGIROSTRIS INSULARUM	MANGROVE CLAPPER RAIL	G5T3	S3	C2	N	1
RYNCHOPS NIGER	BLACK SKIMMER	G5	S3	N	N	1
SEIURUS MOTACILLA	LOUISIANA WATERTHRUSH	G5	S3	N	N	1
STERNA ANTILLARUM	LEAST TERN	G4	S3	N	LT	8
STERNA DOUGALLII	ROSEATE TERN	G3	S1	LT	LT	1
STERNA FUSCATA	SOOTY TERN	G5	S1	N	N	1
VIREO ALTILOQUUS	BLACK-WHISKERED VIREO	G5	S3	N	N	17

ELEMENT OCCURRENCE RECORDS FOR MONROE COUNTY CURRENTLY IN THE INVENTORY DATABASE (continued):

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
MAMMALS						
NEOTOMA FLORIDANA SMALLI	KEY LARGO WOODRAT	G5T1	S1	LE	LE	16
ODOCOILEUS VIRGINIANUS CLAVIUM	KEY DEER	G5T1	S1	LE	LE	12
ORYZOMYS ARGENTATUS	SILVER RICE RAT	G2Q	S2	C1	LE	9
PEROMYSCUS GOSSYPINUS ALLAPATICOLA	KEY LARGO COTTON MOUSE	G5T1	S1	LE	LE	3
PROCYON LOTOR AUSPICATUS	KEY VACA RACCOON	G5T2?	S2?	C2	N	12
SIGMODON HISPIDUS EXSPUTUS	LOWER KEYS COTTON RAT	G5T2	S2	3C	N	2
SYLVILAGUS PALUSTRIS HEFNERI	LOWER KEYS RABBIT	G5T2	S2	C2	N	13
INVERTEBRATES						
EUNICA TATILA TATILISTA	FLORIDA PURPLEWING	G?	S?	N	N	2
HERACLIDES ARISTODEMUS PONCEANUS	SCHAUS' SWALLOWTAIL	G4?T1	S1	LE	LE	2
ORTHALICUS RESES RESES	STOCK ISLAND TREE SNAIL	G2T1	S1	LT	LE	1
LIGUUS FASCIATUS MATECUMBENSIS	FLORIDA TREE SNAIL	G?	S2			3
SPECIAL PLANTS						
ARGYTHAMNIA BLODGETTII	BLODGETT'S WILD-MERCURY	G2	S2	C2	RE	8
BOURRERIA CASSINIFOLIA	LITTLE STRONGBARK	G?	S1	N	RE	1
CASSIA KEYENSIS	BIG PINE PARTRIDGE PEA	G2	S2	C1	LERT	16
CATESBAEA PARVIFLORA	SMALL-FLOWERED LILY-THORN	G2G3	S1	N	LE	1
CEREUS GRACILIS	PRICKLY-APPLE	G2G3	S2S3	C2	LE	26
CEREUS ROBINII	KEY TREE-CACTUS	G1	S1	LE	LE	7
CHAMAESYCE DELTOIDEA SSP DELTOIDEA	DELTOID SPURGE	G2?T2	S2	LE	LE	2
CHAMAESYCE DELTOIDEA SSP SERPYLLUM	WEDGE SPURGE	G2?T1	S1	C1	RE	3
CHAMAESYCE GARBERI	GARBER'S SPURGE	G1	S1	LT	LE	11
CHAMAESYCE PORTERIANA VAR KEYENSIS	PORTER'S HAIRY-PODDED SPURGE	G2T1	S1	C1	RE	2
CHAMAESYCE PORTERIANA VAR SCOPARIA	PORTER'S BROOM SPURGE	G2T2	S2	C1	RE	9
CORDIA SEBESTENA	GEIGER TREE	G3G5	S2S3	N	LE	20
CROSSOPETALUM ILICIFOLIUM	CHRISTMAS BERRY	G?	S2	N	N	8

ELEMENT OCCURRENCE RECORDS FOR MONROE COUNTY CURRENTLY IN THE INVENTORY DATABASE (continued):

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
SPECIAL PLANTS (cont.)						
CUPANIA GLABRA	CUPANIA	G?	S1	N	LE	1
ERNODEA LITTORALIS	BEACH-CREEPER	G4	S3	N	LT	39
EUGENIA CONFUSA	TROPICAL IRONWOOD	G4G5	S3S4	N	LT	3
EUGENIA RHOMBEA	RED STOPPER	G?	S1	N	LE	4
GOSSYPIUM HIRSUTUM	WILD COTTON	G4G5	S3?	N	LE	7
GUAIACUM SANCTUM	LIGNUM-VITAE	G4G5	S2	N	LE	12
HIPPOMANE MANCINELLA	MANCHINEEL	G3G4	S2	N	LT	12
HYPELATE TRIFOLIATA	INKWOOD	G2	S1	N	LT	11
JACQUINIA KEYENSIS	JOEWOOD	G4	S3	N	LT	42
LINUM ARENICOLA	SAND FLAX	G1G2	S1S2	C2	LE	11
MELANTHERA PARVIFOLIA	SMALL-LEAVED MELANTHERA	G2Q	S2	C2	N	6
MYRCIANTHES FRAGRANS VAR SIMPSONII	TWINBERRY	G4T3	S3	C2	LT	1
OKENIA HYPOGAEA	BURROWING FOUR-O'CLOCK	G3	S2	N	LE	1
OPUNTIA SPINOSISSIMA	FLORIDA SEMAPHORE CACTUS	G1	S1	C2	(LT)	1
OPUNTIA TRIACANTHA	THREE-SPINED PRICKLY-PEAR	G1G3	S1	C2	N	1
PHORADENDRON RUBRUM	MAHOGONY MISTLETOE	G?	S1	N	LE	3
PHYLLANTHUS PENTAPHYLLUS VAR FLORIDANUS	FLORIDA FIVE-PETALED LEAF-FLOWER	G?T3	S3	C2	N	9
PISONIA FLORIDANA	ROCK KEY DEVIL'S-CLAWS	GX	SX	3A	N	1
POLYGALA BOYKINII VAR SPARSIFOLIA	BOYKIN'S FEW-LEAVED MILKWORT	G4T2	S2	C2	N	12
RHYNCHOSIA CINEREA	BROWN-HAIRED SNOUTBEAN	G3	S3	C2	N	8
SACHSIA BAHAMENSIS	BAHAMA SACHSIA	G2	S1	N	LE	4
SOLANUM BAHAMENSE VAR RUGELII	RUGEL'S KEY WEST HORSE-NETTLE	G4G5TH	SH	3A	N	25
SOPHORA TOMENTOSA	NECKLACE POD	G4	S3	N	N	35
STRUMPFIA MARITIMA	PRIDE-OF-BIG-PINE	G4	S1	N	LE	3
TOURNEFORTIA GNAPHALODES	SEA LAVENDER	G4	S3	N	LE	9
TRAGIA SAXICOLA	PINELAND NOSEBURN	G2	S2	C2	RE	7
ZANTHOXYLUM FLAVUM	YELLOWHEART, SATINWOOD	G?	S1	N	LE	2
CATOPSIS BERTERONIANA	POWDERY CATOPSIS	G4	S1S2	N	LE	1
COCCOTHRINAX ARGENTATA	SILVER PALM	G3G4	S3	N	LC	31
DICHROMENA FLORIDENSIS	FLORIDA WHITE-TOP SEDGE	G?	S2	N	N	12
ENCYCLIA BOOTHIANA	DOLLAR ORCHID	G1G3	S1	C2	LE	4
HYMENOCALLIS LATIFOLIA	BROAD-LEAVED SPIDERLILY	G2G4	S2S3	3C	N	3

ELEMENT OCCURRENCE RECORDS FOR MONROE COUNTY CURRENTLY IN THE INVENTORY DATABASE (continued):

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
SPECIAL PLANTS (cont.)						
ROYSTONEA ELATA	FLORIDA ROYAL PALM	G2Q	S2	C1	LE	1
THRINAX MORRISII	BRITTLE THATCH PALM	G4G5	S3	N	LC	56
THRINAX RADIATA	FLORIDA THATCH PALM	G4G5	S2	N	LC	28
TILLANDSIA FLEXUOSA	BANDED WILD-PINE	G4	S3	N	LT	30
TRIPSACUM FLORIDANUM	FLORIDA GAMA GRASS	G2	S2	C1	RE	1
VANILLA BARBELLATA	WORM-VINE ORCHID	G?	S2	N	LE	2
ACROSTICHUM AUREUM	GOLDEN LEATHER FERN	G5	S3	N	LE	5
NATURAL COMMUNITIES						
COASTAL ROCKLAND LAKE		G2	S1			17
MARINE GRASS BED		G2	S2			1
MARINE TIDAL MARSH		G4	S4			3
MARINE TIDAL SWAMP	MARINE RED MANGROVE SWAMP	G3	S3			6
MARINE UNCONSOLIDATED SUBSTRATE	MARINE MARL FLAT	G5	S5			1
DEPRESSION MARSH	KEYS FRESHWATER MARSH	G5	S5			2
MARL PRAIRIE		G4	S3			2
BEACH DUNE		G4	S3			3
COASTAL ROCK BARREN	CACTUS BARREN	G3	S1			4
COASTAL STRAND	^KEYS STRAND^	G3	S3			1
MARITIME HAMMOCK		G4	S3			4
PINE ROCKLAND	KEYS PINE ROCKLAND	G2	S1			3
ROCKLAND HAMMOCK	CACTUS HAMMOCK	G3	S2			77
SHELL MOUND		G3	S3			3
OTHER						
BIRD ROOKERY						7

Total items 131
Total records tallied 1257

September 30, 1988

FLORIDA NATURAL AREAS INVENTORY

ELEMENT OCCURRENCE RECORDS FOR NASSAU COUNTY CURRENTLY IN THE INVENTORY DATABASE:

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
AMPHIBIANS						
STEREOCHILUS MARGINATUS	MANY-LINED SALAMANDER	G5	S1	N	N	1
REPTILES						
ALLIGATOR MISSISSIPPIENSIS	AMERICAN ALLIGATOR	G5	S4	LTSA	LS	1
CROTALUS HORRIDUS	CANEBRAKE RATTLESNAKE	G5	S3	N	N	1
DRYMARCHON CORAIS COUPERI	EASTERN INDIGO SNAKE	G4T3	S3	LT	LT	7
GOPHERUS POLYPHEMUS	GOPHER TORTOISE	G2	S2	C2	LS	1
BIRDS						
PICOIDES BOREALIS	RED-COCKADED WOODPECKER	G2	S2	LE	LT	3
STERNA ANTILLARUM	LEAST TERN	G4	S3	N	LT	1
MAMMALS						
TRICHECHUS MANATUS	WEST INDIAN MANATEE	G2?	S2?	LE	LE	2
SPECIAL PLANTS						
ASCLEPIAS VIRIDULA	SOUTHERN MILKWEED	G2	S2	C2	LT	1
HARTWRIGHTIA FLORIDANA	HARTWRIGHTIA	G2	S2	C2	LT	1
PELTANDRA SAGITTIFOLIA	SPOON-FLOWER	G3G4	S3	N	N	1

ELEMENT OCCURRENCE RECORDS FOR NASSAU COUNTY CURRENTLY IN THE INVENTORY DATABASE (continued):

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
NATURAL COMMUNITIES						
RIVER FLOODPLAIN LAKE		G4	S2			24
BLACKWATER STREAM		G4	S2			2
BEACH DUNE	TEMPERATE BEACH DUNE	G4	S3			1
COASTAL STRAND	TEMPERATE COASTAL STRAND	G3	S3			1
MARITIME HAMMOCK	TEMPERATE MARITIME HAMMOCK	G4	S3			1

Total items 16
Total records tallied 49

October 5, 1988

FLORIDA NATURAL AREAS INVENTORY

ELEMENT OCCURRENCE RECORDS FOR OKALOOSA COUNTY CURRENTLY IN THE INVENTORY DATABASE:

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
FISHES						
ETHEOSTOMA OKALOOSAE	OKALOOSA DARTER	G2	S2	LE	LE	5
AMPHIBIANS						
AMBYSTOMA TIGRINUM	TIGER SALAMANDER	G5	S3?	N	N	1
AMPHIUMA PHOLETER	ONE-TOED AMPHIUMA	G3	S3	N	N	2
HYLA ANDERSONII	PINE BARRENS TREEFROG	G4	S3	AC	LS	31
RANA OKALOOSAE	FLORIDA BOG FROG	G2	S2	N	LS	10
REPTILES						
ALLIGATOR MISSISSIPPIENSIS	AMERICAN ALLIGATOR	G5	S4	LTSA	LS	1
DRYMARCHON CORAIS COUPERI	EASTERN INDIGO SNAKE	G4T3	S3	LT	LT	4
GOPHERUS POLYPHEMUS	GOPHER TORTOISE	G2	S2	C2	LS	10
MACROCLEMYS TEMMINCKII	ALLIGATOR SNAPPING TURTLE	G3?	S3?	C2	LS	1
PITUOPHIS MELANOLEUCUS MUGITUS	FLORIDA PINE SNAKE	G5T3?	S?	C2	LS	2
BIRDS						
CHARADRIUS ALEXANDRINUS	SNOWY PLOVER	G4?	S2	C2	LT	1
PICOIDES BOREALIS	RED-COCKADED WOODPECKER	G2	S2	LE	LT	14
RYNCHOPS NIGER	BLACK SKIMMER	G5	S3	N	N	2
STERNA ANTILLARUM	LEAST TERN	G4	S3	N	LT	2

ELEMENT OCCURRENCE RECORDS FOR OKALOOSA COUNTY CURRENTLY IN THE INVENTORY DATABASE (continued):

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
MAMMALS						
TAMIAS STRIATUS	EASTERN CHIPMUNK	G5	S1	N	LS	3
SPECIAL PLANTS						
BAPTISIA HIRSUTA	HAIRY WILD INDIGO	G2Q	S2	C2	LT	4
CHRYSOPSIS FLORIDANA	FLORIDA GOLDEN ASTER	G1	S1	LE	LE	1
CHRYSOPSIS GODFREYI	GODFREY'S GOLDEN ASTER	G2	S2	N	N	6
CHRYSOPSIS GOSSYPINA SSP CRUISEANA	CRUISE'S GOLDEN ASTER	G3G5T2	S2	C1	LE	4
DROSERA INTERMEDIA	SPOON-LEAVED SUNDEW	G5	S3	N	LT	1
HELIANTHEMUM ARENICOLA	GULF ROCKROSE	G3G4	S3	N	N	1
LITSEA AESTIVALIS	PONDSPICE	G4G5	S2	3C	LT	1
LUPINUS WESTIANUS	GULF COAST LUPINE	G2	S2	3C	LT	8
MAGNOLIA ASHEI	ASHE'S MAGNOLIA	G2	S2	3C	LE	3
MAGNOLIA PYRAMIDATA	PYRAMID MAGNOLIA	G4	S2	N	LE	1
POLYGONELLA MACROPHYLLA	LARGE-LEAVED JOINTWEED	G2	S2	C1	LT	2
QUERCUS ARKANSANA	ARKANSAS OAK	G3	S1S2	3C	N	14
RHEXIA PARVIFLORA	A MEADOWBEAUTY	G2	S2	C2	LE	1
RHODODENDRON AUSTRINUM	ORANGE AZALEA	G3G4	S3	3C	LE	1
SARRACENIA LEUCOPHYLLA	WHITE-TOP PITCHER-PLANT	G3G5	S3	C2	LE	2
TEPHROSIA MOHRII	PINELAND HOARY-PEA	G2?	S1	C2	N	7
CALAMOVILFA CURTISSII	CURTISS' SANDGRASS	G1G2	S1S2	C2	RE	3
CAREX BALTZELLII	BALTZELL'S SEDGE	G2?	S2	C2	RE	1
LILIUM IRIDOLLAE	PANHANDLE LILY	G1	S1	C2	LE	2
PELTANDRA SAGITTIFOLIA	SPOON-FLOWER	G3G4	S3	N	N	2
PLATANTHERA INTEGRA	YELLOW FRINGELESS ORCHID	G3G4	S3S4	3C	(LT)	1

October 5, 1988

FLORIDA NATURAL AREAS INVENTORY

ELEMENT OCCURRENCE RECORDS FOR OKALOOSA COUNTY CURRENTLY IN THE INVENTORY DATABASE (continued):

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
NATURAL COMMUNITIES						
SEEPAGE SLOPE	SEEPAGE SHRUB BOG	G4	S3			34
SEEPAGE STREAM		G4	S2			3
BEACH DUNE		G4	S3			1
SANDHILL		G4	S3			4
SCRUB	SAND PINE SCRUB	G3	S2			1
SLOPE FOREST		G3	S2			1
OTHER						
BIRD ROOKERY						2

Total items 43
Total records tallied 201

October 5, 1988

FLORIDA NATURAL AREAS INVENTORY

ELEMENT OCCURRENCE RECORDS FOR PALM BEACH COUNTY CURRENTLY IN THE INVENTORY DATABASE:

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
FISHES						
GOBIONELLUS STIGMATURUS	SPOTTAIL GOBY	G4	S3?	N	N	2
REPTILES						
ALLIGATOR MISSISSIPPIENSIS	AMERICAN ALLIGATOR	G5	S4	LTSA	LS	1
CARETTA CARETTA	LOGGERHEAD	G3	S2	LT	LT	4
CHELONIA MYDAS	GREEN TURTLE	G3	S2	LE	LE	4
DERMOCHELYS CORIACEA	LEATHERBACK TURTLE	G3	S2	LE	LE	3
DRYMARCHON CORAIS COUPERI	EASTERN INDIGO SNAKE	G4T3	S3	LT	LT	5
GOPHERUS POLYPHEMUS	GOPHER TORTOISE	G2	S2	C2	LS	10
SCELOPORUS WOODI	FLORIDA SCRUB LIZARD	G3	S3	C2	N	5
BIRDS						
APHELOCOMA COERULESCENS COERULESCENS	FLORIDA SCRUB JAY	G5T3	S3	LT	LT	17
CASMERODIUS ALBUS	GREAT EGRET	G5	S4	N	N	1
EGRETTA CAERULEA	LITTLE BLUE HERON	G5	S4	N	LS	1
EGRETTA THULA	SNOWY EGRET	G5	S4	N	LS	1
EGRETTA TRICOLOR	TRICOLORED HERON	G5	S4	N	LS	1
EUDOCIMUS ALBUS	WHITE IBIS	G5	S4	N	N	1
GRUS CANADENSIS PRATENSIS	FLORIDA SANDHILL CRANE	G5T2T3	S2S3	N	LT	1
HALIAEETUS LEUCOCEPHALUS	BALD EAGLE	G3	S2S3	LE	LT	1
NYCTICORAX NYCTICORAX	BLACK-CROWNED NIGHT-HERON	G5	S3?	N	N	1
PICOIDES BOREALIS	RED-COCKADED WOODPECKER	G2	S2	LE	LT	8
SETOPHAGA RUTICILLA	AMERICAN REDSTART	G5	S3	N	N	1
MAMMALS						
PODOMYS FLORIDANUS	FLORIDA MOUSE	G3	S3	C2	LS	1

ELEMENT OCCURRENCE RECORDS FOR PALM BEACH COUNTY CURRENTLY IN THE INVENTORY DATABASE (continued):

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
SPECIAL PLANTS						
ASCLEPIAS CURTISSII	CURTISS' MILKWEED	G3	S3	N	LE	5
ASIMINA TETRAMERA	FOUR-PETAL PAWPAW	G1	S1	LE	LE	10
CHAMAESYCE CUMULICOLA	SAND-DUNE SPURGE	G2	S2	C2	N	1
CONRADINA GRANDIFLORA	LARGE-FLOWERED ROSEMARY	G3	S3	C2	RE	11
CUCURBITA OKEECHOBEENSIS	OKEECHOBEE GOURD	G1	S1	C2	LE	1
GLANDULARIA MARITIMA	COASTAL VERVAIN	G2	S2	C2	RE	1
JACQUEMONTIA RECLINATA	BEACH JACQUEMONTIA	G1	S1	C2	LE	2
OKENIA HYPOGAEA	BURROWING FOUR-O'CLOCK	G3	S2	N	LE	4
PERSEA HUMILIS	SCRUB BAY	G5?T4	S3			8
SOPHORA TOMENTOSA	NECKLACE POD	G4	S3	N	N	1
TEPHROSIA ANGUSTISSIMA	A DEVIL'S SHOESTRING	G1Q	S1	C1	RE	1
TOURNEFORTIA GNAPHALODES	SEA LAVENDER	G4	S3	N	LE	5
ONCIDIUM BAHAMENSE	DANCING-LADY ORCHID	G1G3Q	S1	N	LE	2
REMIREA MARITIMA	BEACH-STAR	G3	S1	N	LE	3
OPHIOGLOSSUM PALMATUM	HAND FERN	G1G3	S1	3C	LE	2
SCHIZAEA GERMANII	TROPICAL CURLY-GRASS	G1G3	S1	C2	LE	1
NATURAL COMMUNITIES						
BEACH DUNE	TROPICAL BEACH DUNE	G4	S3			3
COASTAL STRAND	TROPICAL COASTAL STRAND	G3	S3			4
DRY PRAIRIE		G2	S2			1
MARITIME HAMMOCK	TROPICAL COASTAL HAMMOCK	G4	S3			4
ROCKLAND HAMMOCK		G3	S2			1
SCRUB		G3	S2			23

Total items 42
Total records tallied 163

October 5, 1988

FLORIDA NATURAL AREAS INVENTORY

ELEMENT OCCURRENCE RECORDS FOR PASCO COUNTY CURRENTLY IN THE INVENTORY DATABASE:

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
FISHES						
ENNEACANTHUS CHAETODON	BLACKBANDED SUNFISH	G3	S3	N	N	1
REPTILES						
DRYMARCHON CORAIS COUPERI	EASTERN INDIGO SNAKE	G4T3	S3	LT	LT	4
GOPHERUS POLYPHEMUS	GOPHER TORTOISE	G2	S2	C2	LS	3
PITUOPHIS MELANOLEUCUS MUGITUS	FLORIDA PINE SNAKE	G5T3?	S?	C2	LS	1
STILOSOMA EXTENUATUM	SHORT-TAILED SNAKE	G3	S3	C2	LT	1
BIRDS						
APHELOCOMA COERULESCENS COERULESCENS	FLORIDA SCRUB JAY	G5T3	S3	LT	LT	1
CASMERODIUS ALBUS	GREAT EGRET	G5	S4	N	N	1
EGRETTA CAERULEA	LITTLE BLUE HERON	G5	S4	N	LS	3
EGRETTA THULA	SNOWY EGRET	G5	S4	N	LS	1
EGRETTA TRICOLOR	TRICOLORED HERON	G5	S4	N	LS	1
EUDOCIMUS ALBUS	WHITE IBIS	G5	S4	N	N	1
FALCO SPARVERIUS PAULUS	SOUTHEASTERN AMERICAN KESTREL	G5T3T4	S3?	C2	LT	1
GRUS CANADENSIS PRATENSIS	FLORIDA SANDHILL CRANE	G5T2T3	S2S3	N	LT	2
HALIAEETUS LEUCOCEPHALUS	BALD EAGLE	G3	S2S3	LE	LT	3
MYCTERIA AMERICANA	WOOD STORK	G5	S2	LE	LE	1
MAMMALS						
URSUS AMERICANUS FLORIDANUS	FLORIDA BLACK BEAR	G5T3	S3	C2	LT*	1

October 5, 1988

FLORIDA NATURAL AREAS INVENTORY

ELEMENT OCCURRENCE RECORDS FOR PASCO COUNTY CURRENTLY IN THE INVENTORY DATABASE (continued):

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
INVERTEBRATES						
PROCAMBARUS LEITHEUSERI	LEITHEUSER'S CAVE CRAYFISH	G2	S2	N	N	3
SPECIAL PLANTS						
CENTROSEMA ARENICOLA	SAND BUTTERFLY PEA	G2?	S1S3	3C	N	2
GLANDULARIA TAMPENSIS	TAMPA VERVAIN	G1	S1	C1	RE	1
ASPLENIUM AURITUM	AURICLED SPLEENWORT	G?	S2	N	LE	1
OPHIOGLOSSUM PALMATUM	HAND FERN	G1G3	S1	3C	LE	1
NATURAL COMMUNITIES						
MARINE TIDAL MARSH		G3	S3			1
MARINE TIDAL SWAMP		G3	S3			1
FLOODPLAIN SWAMP	FLOODPLAIN CYPRESS	G4	S4			1
AQUATIC CAVE		G3	S2			3
BEACH DUNE	TEMPERATE BEACH DUNE	G4	S3			1
MARITIME HAMMOCK	TEMPERATE MARITIME HAMMOCK	G4	S3			1
SCRUB	OAK SCRUB	G3	S2			1
OTHER						
BIRD ROOKERY						4

Total items 29
Total records tallied 47

October 5, 1988

FLORIDA NATURAL AREAS INVENTORY

ELEMENT OCCURRENCE RECORDS FOR PINELLAS COUNTY CURRENTLY IN THE INVENTORY DATABASE:

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
REPTILES						
GOPHERUS POLYPHEMUS	GOPHER TORTOISE	G2	S2	C2	LS	3
STILOSOMA EXTENUATUM	SHORT-TAILED SNAKE	G3	S3	C2	LT	1
BIRDS						
AJAIA AJAJA	ROSEATE SPOONBILL	G5	S2S3	N	LS	1
CHARADRIUS ALEXANDRINUS	SNOWY PLOVER	G4?	S2	C2	LT	2
CHARADRIUS MELODUS	PIPING PLOVER	G2	S2	LT	LT	3
HALIAEETUS LEUCOCEPHALUS	BALD EAGLE	G3	S2S3	LE	LT	5
PANDION HALIAETUS	OSPREY	G5	S3S4	N	LS*	2
MAMMALS						
PODOMYS FLORIDANUS	FLORIDA MOUSE	G3	S3	C2	LS	2
SPECIAL PLANTS						
CHAMAESYCE CUMULICOLA	SAND-DUNE SPURGE	G2	S2	C2	N	1
ERNODEA LITTORALIS	BEACH-CREEPER	G4	S3	N	LT	1
GLANDULARIA TAMPENSIS	TAMPA VERVAIN	G1	S1	C1	RE	1
HELIANTHUS DEBILIS SSP VESTITUS	HAIRY BEACH SUNFLOWER	G5?T2	S2	C1	N	5
SOPHORA TOMENTOSA	NECKLACE POD	G4	S3	N	N	3
ERAGROSTIS TRACYI	SANIBEL LOVEGRASS	G2	S2	C2	LT	1
ACROSTICHUM AUREUM	GOLDEN LEATHER FERN	G5	S3	N	LE	1

October 5, 1988

FLORIDA NATURAL AREAS INVENTORY

ELEMENT OCCURRENCE RECORDS FOR PINELLAS COUNTY CURRENTLY IN THE INVENTORY DATABASE (continued):

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
NATURAL COMMUNITIES						
ESTUARINE GRASS BED		G2	S2			1
ESTUARINE TIDAL SWAMP		G3	S3			1
MARINE AQUATIC BED		G3	S3			1
MARINE GRASS BED		G2	S2			1
MARINE TIDAL MARSH		G4	S4			1
MARINE TIDAL SWAMP		G3	S3			2
BEACH DUNE	TEMPERATE BEACH DUNE	G4	S3			2
COASTAL STRAND	TEMPERATE COASTAL STRAND	G3	S3			1
MARITIME HAMMOCK	TEMPERATE MARITIME HAMMOCK	G4	S3			3
MESIC FLATWOODS	INSULAR SLASH PINE FLATWOODS	G5	S5			2
SCRUB	OAK SCRUB	G3	S2			1

Total items 26
Total records tallied 48

September 30, 1988

FLORIDA NATURAL AREAS INVENTORY

ELEMENT OCCURRENCE RECORDS FOR ST. JOHNS COUNTY CURRENTLY IN THE INVENTORY DATABASE:

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
REPTILES						
ALLIGATOR MISSISSIPPIENSIS	AMERICAN ALLIGATOR	G5	S4	LTSA	LS	1
CARETTA CARETTA	LOGGERHEAD	G3	S2	LT	LT	1
CLEMMYS GUTTATA	SPOTTED TURTLE	G5	S3?	N	N	1
DRYMARCHON CORAIS COUPERI	EASTERN INDIGO SNAKE	G4T3	S3	LT	LT	3
GOPHERUS POLYPHEMUS	GOPHER TORTOISE	G2	S2	C2	LS	7
BIRDS						
CASMERODIUS ALBUS	GREAT EGRET	G5	S4	N	N	3
CHARADRIUS MELODUS	PIPING PLOVER	G2	S2	LT	LT	3
EGRETTA CAERULEA	LITTLE BLUE HERON	G5	S4	N	LS	1
EGRETTA TRICOLOR	TRICOLORED HERON	G5	S4	N	LS	1
EUDOCIMUS ALBUS	WHITE IBIS	G5	S4	N	N	1
HALIAEETUS LEUCOCEPHALUS	BALD EAGLE	G3	S2S3	LE	LT	4
MYCTERIA AMERICANA	WOOD STORK	G5	S2	LE	LE	2
MAMMALS						
PEROMYSCUS POLIONOTUS PHASMA	ANASTASIA BEACH MOUSE	G5T1	S1	C2	N	5
URSUS AMERICANUS FLORIDANUS	FLORIDA BLACK BEAR	G5T3	S3	C2	LT*	1
SPECIAL PLANTS						
ASCLEPIAS VIRIDULA	SOUTHERN MILKWEED	G2	S2	C2	LT	1
CHAMAESYCE CUMULICOLA	SAND-DUNE SPURGE	G2	S2	C2	N	1
HELIANTHUS CARNOSUS	LAKE-SIDE SUNFLOWER	G2	S2	C2	RE	2
PYCNANTHEMUM FLORIDANUM	FLORIDA MOUNTAIN-MINT	G3	S3	3C	N	1
RUDBECKIA NITIDA	ST. JOHN'S-SUSAN	G3	S1	C2	LE	1
SALPINGOSTYLIS COELESTINA	BARTRAM'S IXIA	G2	S2	C2	LTRE	3

September 30, 1988

FLORIDA NATURAL AREAS INVENTORY

ELEMENT OCCURRENCE RECORDS FOR ST. JOHNS COUNTY CURRENTLY IN THE INVENTORY DATABASE (continued):

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
NATURAL COMMUNITIES						
ESTUARINE TIDAL MARSH		G4	S4			1
BEACH DUNE		G4	S3			2
COASTAL STRAND		G3	S3			1
MARITIME HAMMOCK		G4	S3			3
MESIC FLATWOODS	SLASH PINE/PALMETTO FLATWOODS	G5	S5			1
SANDHILL	LONGLEAF PINE/TURKEY OAK SANDHILL	G4	S3			1
SCRUBBY FLATWOODS		G3	S3			1
OTHER						
BIRD ROOKERY						1

Total items 28
Total records tallied 54

October 5, 1988

FLORIDA NATURAL AREAS INVENTORY

ELEMENT OCCURRENCE RECORDS FOR ST. LUCIE COUNTY CURRENTLY IN THE INVENTORY DATABASE:

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
REPTILES						
CARETTA CARETTA	LOGGERHEAD	G3	S2	LT	LT	1
CHELONIA MYDAS	GREEN TURTLE	G3	S2	LE	LE	1
DERMOCHELYS CORIACEA	LEATHERBACK TURTLE	G3	S2	LE	LE	1
DRYMARCHON CORAIS COUPERI	EASTERN INDIGO SNAKE	G4T3	S3	LT	LT	2
GOPHERUS POLYPHEMUS	GOPHER TORTOISE	G2	S2	C2	LS	4
SCELOPORUS WOODI	FLORIDA SCRUB LIZARD	G3	S3	C2	N	2
BIRDS						
ACCIPITER COOPERII	COOPER'S HAWK	G4	S3?	N	N	1
APHELOCOMA COERULESCENS COERULESCENS	FLORIDA SCRUB JAY	G5T3	S3	LT	LT	5
CASMERODIUS ALBUS	GREAT EGRET	G5	S4	N	N	2
EGRETTA CAERULEA	LITTLE BLUE HERON	G5	S4	N	LS	2
EGRETTA THULA	SNOWY EGRET	G5	S4	N	LS	2
EGRETTA TRICOLOR	TRICOLORED HERON	G5	S4	N	LS	2
EUDOCIMUS ALBUS	WHITE IBIS	G5	S4	N	N	2
FALCO COLUMBARIUS	MERLIN	G4	SU	N	N	1
FALCO PEREGRINUS	PEREGRINE FALCON	G3	S2	LT	LE	2
HALIAEETUS LEUCOCEPHALUS	BALD EAGLE	G3	S2S3	LE	LT	1
HELMITHEROS VERMIVORUS	WORM-EATING WARBLER	G5	S1	N	N	1
MYCTERIA AMERICANA	WOOD STORK	G5	S2	LE	LE	1
NYCTICORAX NYCTICORAX	BLACK-CROWNED NIGHT-HERON	G5	S3?	N	N	1
NYCTICORAX VIOLACEUS	YELLOW-CROWNED NIGHT-HERON	G5	S3?	N	N	1
PANDION HALIAETUS	OSPREY	G5	S3S4	N	LS*	1
PELECANUS OCCIDENTALIS	BROWN PELICAN	G5	S3	AC	LS	2
POLYBORUS PLANCUS	CRESTED CARACARA	G5	S2	LT	LT	3
SETOPHAGA RUTICILLA	AMERICAN REDSTART	G5	S3	N	N	1

October 5, 1988

FLORIDA NATURAL AREAS INVENTORY

ELEMENT OCCURRENCE RECORDS FOR ST. LUCIE COUNTY CURRENTLY IN THE INVENTORY DATABASE (continued):

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
SPECIAL PLANTS						
CEREUS ERIOPHORUS VAR FRAGRANS	FRAGRANT PRICKLY-APPLE	G2G3T1	S1	LE	LE	5
CHAMAESYCE CUMULICOLA	SAND-DUNE SPURGE	G2	S2	C2	N	2
CONRADINA GRANDIFLORA	LARGE-FLOWERED ROSEMARY	G3	S3	C2	RE	6
DICERANDRA IMMACULATA	LAKELA'S MINT	G1	S1	LE	LE	2
ERNODEA LITTORALIS	BEACH-CREEPER	G4	S3	N	LT	2
GLANDULARIA MARITIMA	COASTAL VERVAIN	G2	S2	C2	RE	4
OKENIA HYPOGAEA	BURROWING FOUR-O'CLOCK	G3	S2	N	LE	2
RHYNCHOSIA CINEREA	BROWN-HAIRED SNOUTBEAN	G3	S3	C2	N	1
SOPHORA TOMENTOSA	NECKLACE POD	G4	S3	N	N	3
TOURNEFORTIA GNAPHALODES	SEA LAVENDER	G4	S3	N	LE	2
REMIREA MARITIMA	BEACH-STAR	G3	S1	N	LE	1
NATURAL COMMUNITIES						
ESTUARINE TIDAL SWAMP		G3	S3			1
BLACKWATER STREAM		G4	S2			1
BEACH DUNE	TROPICAL BEACH DUNE	G4	S3			3
COASTAL STRAND	TROPICAL COASTAL STRAND	G3	S3			2
MARITIME HAMMOCK		G4	S3			4
SCRUB	SAND PINE SCRUB	G3	S2			4
OTHER						
BIRD ROOKERY						1

Total items 42
Total records tallied 88

October 5, 1988

FLORIDA NATURAL AREAS INVENTORY

ELEMENT OCCURRENCE RECORDS FOR SANTA ROSA COUNTY CURRENTLY IN THE INVENTORY DATABASE:

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
FISHES						
NOTROPIS SP 2	BLACKMOUTH SHINER	G1	S1	C2	LE	1
AMPHIBIANS						
AMBYSTOMA CINGULATUM	FLATWOODS SALAMANDER	G4	S3?	C2	N	2
AMBYSTOMA TIGRINUM	TIGER SALAMANDER	G5	S3?	N	N	3
HYLA ANDERSONII	PINE BARRENS TREEFROG	G4	S3	AC	LS	26
RANA AREOLATA	GOPHER FROG	G4	S3	C2	LS	1
RANA OKALOOSAE	FLORIDA BOG FROG	G2	S2	N	LS	8
REPTILES						
DRYMARCHON CORAIS COUPERI	EASTERN INDIGO SNAKE	G4T3	S3	LT	LT	5
GOPHERUS POLYPHEMUS	GOPHER TORTOISE	G2	S2	C2	LS	8
BIRDS						
PICOIDES BOREALIS	RED-COCKADED WOODPECKER	G2	S2	LE	LT	23
MAMMALS						
URSUS AMERICANUS FLORIDANUS	FLORIDA BLACK BEAR	G5T3	S3	C2	LT*	1

October 5, 1988

FLORIDA NATURAL AREAS INVENTORY

ELEMENT OCCURRENCE RECORDS FOR SANTA ROSA COUNTY CURRENTLY IN THE INVENTORY DATABASE (continued):

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
SPECIAL PLANTS						
BAPTISIA HIRSUTA	HAIRY WILD INDIGO	G2Q	S2	C2	LT	2
CHRYSOPSIS GODFREYI	GODFREY'S GOLDEN ASTER	G2	S2	N	N	1
CHRYSOPSIS GOSSYPINA SSP CRUISEANA	CRUISE'S GOLDEN ASTER	G3G5T2	S2	C1	LE	1
CONRADINA GLABRA	APALACHICOLA ROSEMARY	G1	S1	C2	LT	2
DROSERA INTERMEDIA	SPOON-LEAVED SUNDEW	G5	S3	N	LT	1
ILLICIUM FLORIDANUM	FLORIDA ANISE	G5	S3	N	LT	1
MAGNOLIA ASHEI	ASHE'S MAGNOLIA	G2	S2	3C	LE	2
MYRIOPHYLLUM LAXUM	PIEDMONT WATER-MILFOIL	G2G3	S2S3	C2	N	1
NUPHAR LUTEUM SSP ULVACEUM	WEST FLORIDA COWLILY	G5T2	S2	C2	N	1
PINGUICULA PLANIFOLIA	CHAPMAN'S BUTTERWORT	G3?	S2	C2	RE	1
POLYGONELLA MACROPHYLLA	LARGE-LEAVED JOINTWEED	G2	S2	C1	LT	4
RHODODENDRON AUSTRINUM	ORANGE AZALEA	G3G4	S3	3C	LE	1
SARRACENIA LEUCOPHYLLA	WHITE-TOP PITCHER-PLANT	G3G5	S3	C2	LE	4
SARRACENIA RUBRA	SWEET PITCHER-PLANT	G3	S2	C2	LE	2
STEWARTIA MALACODENDRON	SILKY CAMELLIA	G4	S3	N	LE	2
CALAMOVILFA CURTISSII	CURTISS' SANDGRASS	G1G2	S1S2	C2	RE	11
LILIUM IRIDOLLAE	PANHANDLE LILY	G1	S1	C2	LE	6
RHYNCHOSPORA CRINIPES	HAIRY-PEDUNCLED BEAK-RUSH	G1	S1	N	N	2
NATURAL COMMUNITIES						
ESTUARINE MOLLUSK REEF		G3	S3			2
BOG		G4	S3			1
FLOODPLAIN FOREST		G4	S4			1
FLOODPLAIN SWAMP	SLASH PINE SWAMP	G4	S4			3
SEEPAGE SLOPE	SEEPAGE SHRUB BOG	G4	S3			27
WET PRAIRIE	PITCHER PLANT PRAIRIE	G5	S4			2

October 5, 1988

FLORIDA NATURAL AREAS INVENTORY

ELEMENT OCCURRENCE RECORDS FOR SANTA ROSA COUNTY CURRENTLY IN THE INVENTORY DATABASE (continued):

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
NATURAL COMMUNITIES (cont.)						
SEEPAGE STREAM		G4	S2			4
MESIC FLATWOODS	COASTAL LONGLEAF FLATWOODS (?)	G5	S5			1
SANDHILL	RED ROCK SANDHILL	G4	S3			1
SLOPE FOREST		G3	S2			2
UPLAND PINE FOREST	OPEN LONGLEAF PINE FOREST?	G5	S4			1

Total items 39
Total records tallied 168

October 5, 1988

FLORIDA NATURAL AREAS INVENTORY

ELEMENT OCCURRENCE RECORDS FOR SARASOTA COUNTY CURRENTLY IN THE INVENTORY DATABASE:

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
AMPHIBIANS						
RANA AREOLATA	GOPHER FROG	G4	S3	C2	LS	2
REPTILES						
ALLIGATOR MISSISSIPPIENSIS	AMERICAN ALLIGATOR	G5	S4	LTSA	LS	2
CARETTA CARETTA	LOGGERHEAD	G3	S2	LT	LT	2
DRYMARCHON CORAIS COUPERI	EASTERN INDIGO SNAKE	G4T3	S3	LT	LT	3
GOPHERUS POLYPHEMUS	GOPHER TORTOISE	G2	S2	C2	LS	2
BIRDS						
APHELOCOMA COERULESCENS COERULESCENS	FLORIDA SCRUB JAY	G5T3	S3	LT	LT	13
HALIAEETUS LEUCOCEPHALUS	BALD EAGLE	G3	S2S3	LE	LT	9
IXOBRYCHUS EXILIS	LEAST BITTERN	G5	S4	N	N	1
PANDION HALIAETUS	OSPREY	G5	S3S4	N	LS*	1
PICOIDES VILLOSUS	HAIRY WOODPECKER	G5	S3?	N	N	2
POLYBORUS PLANCUS	CRESTED CARACARA	G5	S2	LT	LT	5
SPECIAL PLANTS						
CEREUS GRACILIS	PRICKLY-APPLE	G2G3	S2S3	C2	LE	5
GLANDULARIA TAMPENSIS	TAMPA VERVAIN	G1	S1	C1	RE	2
HELIANTHUS DEBILIS SSP VESTITUS	HAIRY BEACH SUNFLOWER	G5?T2	S2	C1	N	1
ERAGROSTIS TRACYI	SANIBEL LOVEGRASS	G2	S2	C2	LT	5

October 5, 1988

FLORIDA NATURAL AREAS INVENTORY

ELEMENT OCCURRENCE RECORDS FOR SARASOTA COUNTY CURRENTLY IN THE INVENTORY DATABASE (continued):

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
NATURAL COMMUNITIES						
FLATWOOD/PRAIRIE LAKE		G4	S3			1
MARSH LAKE		G4	S4			1
DEPRESSION MARSH		G5	S5			1
FLOODPLAIN MARSH		G3	S3			1
BLACKWATER STREAM		G4	S2			1
MESIC FLATWOODS	SLASH PINE/PALMETTO FLATWOODS	G5	S5			2
PRAIRIE HAMMOCK	PALM/OAK HAMMOCK	G4	S4			1
SCRUB	OAK SCRUB	G3	S2			9
SCRUBBY FLATWOODS		G3	S3			2

Total items 24
Total records tallied 74

October 5, 1988

FLORIDA NATURAL AREAS INVENTORY

ELEMENT OCCURRENCE RECORDS FOR TAYLOR COUNTY CURRENTLY IN THE INVENTORY DATABASE:

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
REPTILES						
DRYMARCHON CORAIS COUPERI	EASTERN INDIGO SNAKE	G4T3	S3	LT	LT	3
BIRDS						
CASMERODIUS ALBUS	GREAT EGRET	G5	S4	N	N	1
GRUS CANADENSIS PRATENSIS	FLORIDA SANDHILL CRANE	G5T2T3	S2S3	N	LT	1
HALIAEETUS LEUCOCEPHALUS	BALD EAGLE	G3	S2S3	LE	LT	4
MAMMALS						
URSUS AMERICANUS FLORIDANUS	FLORIDA BLACK BEAR	G5T3	S3	C2	LT*	1
SPECIAL PLANTS						
ANEMONE BERLANDIERI	TEXAS ANEMONE	G3G5Q	S2	N	N	1
LEITNERIA FLORIDANA	CORKWOOD	G3G4	S3	3C-	LT	1
LITSEA AESTIVALIS	PONDSPICE	G4G5	S2	3C	LT	2
MINUARTIA GODFREYI	GODFREY'S SANDWORT	G1Q	S1	C2	N	1
PHYLLANTHUS LEIBMANNIANUS	PINE-WOOD DAINTIES	G3G5	S3	3C	LT	1
NATURAL COMMUNITIES						
BLACKWATER STREAM		G4	S2			1
OTHER						
BIRD ROOKERY						1

Total items 12
Total records tallied 18

October 5, 1988

FLORIDA NATURAL AREAS INVENTORY

ELEMENT OCCURRENCE RECORDS FOR VOLUSIA COUNTY CURRENTLY IN THE INVENTORY DATABASE:

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
REPTILES						
ALLIGATOR MISSISSIPPIENSIS	AMERICAN ALLIGATOR	G5	S4	LTSA	LS	3
CARETTA CARETTA	LOGGERHEAD	G3	S2	LT	LT	1
CHELONIA MYDAS	GREEN TURTLE	G3	S2	LE	LE	1
GOPHERUS POLYPHEMUS	GOPHER TORTOISE	G2	S2	C2	LS	9
BIRDS						
APHELOCOMA COERULESCENS COERULESCENS	FLORIDA SCRUB JAY	G5T3	S3	LT	LT	18
ARAMUS GUARAUNA	LIMPKIN	G5	S3	N	LS	1
CASMERODIUS ALBUS	GREAT EGRET	G5	S4	N	N	5
CHARADRIUS MELODUS	PIPING PLOVER	G2	S2	LT	LT	1
EGRETTA CAERULEA	LITTLE BLUE HERON	G5	S4	N	LS	2
EGRETTA THULA	SNOWY EGRET	G5	S4	N	LS	3
EGRETTA TRICOLOR	TRICOLORED HERON	G5	S4	N	LS	3
EUDOCIMUS ALBUS	WHITE IBIS	G5	S4	N	N	2
HALIAEETUS LEUCOCEPHALUS	BALD EAGLE	G3	S2S3	LE	LT	32
MYCTERIA AMERICANA	WOOD STORK	G5	S2	LE	LE	3
NYCTICORAX NYCTICORAX	BLACK-CROWNED NIGHT-HERON	G5	S3?	N	N	3
PANDION HALIAETUS	OSPREY	G5	S3S4	N	LS*	1
PELECANUS OCCIDENTALIS	BROWN PELICAN	G5	S3	AC	LS	3
PICOIDES BOREALIS	RED-COCKADED WOODPECKER	G2	S2	LE	LT	3
MAMMALS						
TRICHECHUS MANATUS	WEST INDIAN MANATEE	G2?	S2?	LE	LE	1
URSUS AMERICANUS FLORIDANUS	FLORIDA BLACK BEAR	G5T3	S3	C2	LT*	1

October 5, 1988

FLORIDA NATURAL AREAS INVENTORY

ELEMENT OCCURRENCE RECORDS FOR VOLUSIA COUNTY CURRENTLY IN THE INVENTORY DATABASE (continued):

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
INVERTEBRATES						
APHAOSTRACON ASTHENES	BLUE SPRING APHAOSTRACON	G1	S1	C2	N	1
CINCINNATIA MONROENSIS	ENTERPRISE SPRING SNAIL	G1	S1	C2	N	1
CINCINNATIA PARVA	BLUE SPRING SNAIL	G1	S1	C2	N	1
SPECIAL PLANTS						
AMYRIS BALSAMIFERA	BALSAM TORCHWOOD	G3G4	S2	N	N	1
ASCLEPIAS CURTISSII	CURTISS' MILKWEED	G3	S3	N	LE	1
CEREUS GRACILIS	PRICKLY-APPLE	G2G3	S2S3	C2	LE	1
CHAMAESYCE CUMULICOLA	SAND-DUNE SPURGE	G2	S2	C2	N	1
CONRADINA GRANDIFLORA	LARGE-FLOWERED ROSEMARY	G3	S3	C2	RE	2
DEERINGOTHAMNUS RUGELII	RUGEL'S PAWPAW	G1	S1	LE	LE	5
GLANDULARIA MARITIMA	COASTAL VERVAIN	G2	S2	C2	RE	4
GLANDULARIA TAMPENSIS	TAMPA VERVAIN	G1	S1	C1	RE	2
ILEX OPACA VAR ARENICOLA	SCRUB HOLLY	G5T3	S3	3C	N	2
PAVONIA SPINIFEX	YELLOW HIBISCUS	G4G5	S2S3	N	N	2
NEMASTYLIS FLORIDANA	FALL-FLOWERING IXIA	G2	S2	C2	LE	1
NOLINA ATOPOCARPA	FLORIDA BEAR-GRASS	G2	S2	C2	LE	1
OPHIOGLOSSUM PALMATUM	HAND FERN	G1G3	S1	3C	LE	1
NATURAL COMMUNITIES						
ESTUARINE TIDAL MARSH		G4	S4			1
BASIN MARSH	SAWGRASS MARSH	G4	S3			1
BASIN SWAMP		G5	S4			1
FLOODPLAIN MARSH		G3	S3			2
WET FLATWOODS	POND PINE FLATWOODS	G4	S4			3

ELEMENT OCCURRENCE RECORDS FOR VOLUSIA COUNTY CURRENTLY IN THE INVENTORY DATABASE (continued):

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
NATURAL COMMUNITIES (cont.)						
BLACKWATER STREAM		G4	S2			1
SPRING-RUN STREAM		G2	S2			1
COASTAL STRAND		G3	S3			2
MARITIME HAMMOCK		G4	S3			3
SANDHILL	LONGLEAF PINE/TURKEY OAK WOODS	G4	S3			2
SCRUB	SAND PINE SCRUB	G3	S2			14
SCRUBBY FLATWOODS		G3	S3			5
SHELL MOUND		G3	S3			3
SLOPE FOREST		G3	S2			1
UPLAND MIXED FOREST	MESIC HAMMOCK	G4	S4			2
OTHER						
BIRD ROOKERY						1

Total items 52
Total records tallied 166

October 5, 1988

FLORIDA NATURAL AREAS INVENTORY

ELEMENT OCCURRENCE RECORDS FOR WAKULLA COUNTY CURRENTLY IN THE INVENTORY DATABASE:

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
AMPHIBIANS						
AMBYSTOMA CINGULATUM	FLATWOODS SALAMANDER	G4	S3?	C2	N	2
AMPHIUMA PHOLETER	ONE-TOED AMPHIUMA	G3	S3	N	N	4
REPTILES						
ALLIGATOR MISSISSIPPIENSIS	AMERICAN ALLIGATOR	G5	S4	LTSA	LS	2
CLEMMYS GUTTATA	SPOTTED TURTLE	G5	S3?	N	N	4
DRYMARCHON CORAIS COUPERI	EASTERN INDIGO SNAKE	G4T3	S3	LT	LT	4
GOPHERUS POLYPHEMUS	GOPHER TORTOISE	G2	S2	C2	LS	7
MACROCLEMYS TEMMINCKII	ALLIGATOR SNAPPING TURTLE	G3?	S3?	C2	LS	1
NERODIA FASCIATA CLARKII	GULF SALT MARSH SNAKE	G5T3	S3?	N	N	2
PITUOPHIS MELANOLEUCUS MUGITUS	FLORIDA PINE SNAKE	G5T3?	S?	C2	LS	1
PSEUDEMYS CONCINNA SUWANNIENSIS	SUWANNEE COOTER	G5T3	S3	3C	LS	2
BIRDS						
ARAMUS GUARAUNA	LIMPKIN	G5	S3	N	LS	1
HALIAEETUS LEUCOCEPHALUS	BALD EAGLE	G3	S2S3	LE	LT	3
PANDION HALIAETUS	OSPREY	G5	S3S4	N	LS*	2
PICOIDES BOREALIS	RED-COCKADED WOODPECKER	G2	S2	LE	LT	18
MAMMALS						
NEOFIBER ALLENI	ROUND-TAILED MUSKRAT	G3?	S3?	C2	N	1
TRICHECHUS MANATUS	WEST INDIAN MANATEE	G2?	S2?	LE	LE	2

ELEMENT OCCURRENCE RECORDS FOR WAKULLA COUNTY CURRENTLY IN THE INVENTORY DATABASE (continued):

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
INVERTEBRATES						
CRANGONYX HOBBSI	HOBBS' CAVE AMPHIPOD	G2G3	S2S3	C2	N	1
CRANGONYX SP 1	A CAVE AMPHIPOD	G?	S?	N	N	1
PROCAMBARUS ORCINUS	WOODVILLE CAVE CRAYFISH	G2	S2	N	N	5
SPECIAL PLANTS						
AGRIMONIA INCISA	INCISED GROOVE-BUR	G3	S2	C2	N	2
ASCLEPIAS VIRIDULA	SOUTHERN MILKWEED	G2	S2	C2	LT	1
BAPTISIA SIMPLICIFOLIA	SCARE-WEED	G2G3	S2S3	C2	LT	3
GENTIANA PENNELLIANA	WIREGRASS GENTIAN	G2?	S2	3C	LE	5
LIATRIS PROVINCIALIS	GODFREY'S BLAZING STAR	G2	S2	C2	LE	3
MAGNOLIA ASHEI	ASHE'S MAGNOLIA	G2	S2	3C	LE	2
PITYOPSIS FLEXUOSA	BENT GOLDEN ASTER	G3	S3	C2	LE	10
LILIUM CATESBAEI	SOUTHERN RED LILY	G4G5	S2	N	LT	1
NATURAL COMMUNITIES						
ESTUARINE TIDAL MARSH		G4	S4			1
DEPRESSION MARSH		G5	S5			1
BLACKWATER STREAM		G4	S2			1
SPRING-RUN STREAM		G2	S2			1
AQUATIC CAVE		G3	S2			13
MESIC FLATWOODS		G5	S5			1
SANDHILL	SCRUBBY LONGLEAF PINE FOREST	G4	S3			3
SCRUB	OAK SCRUB	G3	S2			1

Total items 35
Total records tallied 112

October 5, 1988

FLORIDA NATURAL AREAS INVENTORY

ELEMENT OCCURRENCE RECORDS FOR WALTON COUNTY CURRENTLY IN THE INVENTORY DATABASE:

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
FISHES						
ETHEOSTOMA OKALOOSAE	OKALOOSA DARTER	G2	S2	LE	LE	1
NOTROPIS SP 2	BLACKMOUTH SHINER	G1	S1	C2	LE	1
AMPHIBIANS						
AMPHIUMA PHOLETER	ONE-TOED AMPHIUMA	G3	S3	N	N	1
HEMIDACTYLIUM SCUTATUM	FOUR-TOED SALAMANDER	G5	S2	N	N	1
HYLA ANDERSONII	PINE BARRENS TREEFROG	G4	S3	AC	LS	60
RANA OKALOOSAE	FLORIDA BOG FROG	G2	S2	N	LS	2
REPTILES						
DRYMARCHON CORAIS COUPERI	EASTERN INDIGO SNAKE	G4T3	S3	LT	LT	7
EUMECES ANTHRACINUS	COAL SKINK	G5	S3	N	N	2
GOPHERUS POLYPHEMUS	GOPHER TORTOISE	G2	S2	C2	LS	11
BIRDS						
PICOIDES BOREALIS	RED-COCKADED WOODPECKER	G2	S2	LE	LT	10
STERNA ANTILLARUM	LEAST TERN	G4	S3	N	LT	2
MAMMALS						
PEROMYSCUS POLIONOTUS ALLOPHRYS	CHOCTAWHATCHEE BEACH MOUSE	G5T1	S1	LE	LE	1

ELEMENT OCCURRENCE RECORDS FOR WALTON COUNTY CURRENTLY IN THE INVENTORY DATABASE (continued):

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
INVERTEBRATES						
ELIMIA CLENCHI	CLENCH'S ELIMIA	G2	S2	N	N	1
VILLOSA CHOCTAWENSIS	ATHEARNS VILLOSA	G2	S2	C2	N	1
SPECIAL PLANTS						
BAPTISIA HIRSUTA	HAIRY WILD INDIGO	G2Q	S2	C2	LT	2
CHRYSOPSIS CRUISEANA	CRUISE'S GOLDEN-ASTER	G2Q	S2	C1	N	2
CHRYSOPSIS GODFREYI	GODFREY'S GOLDEN ASTER	G2	S2	N	N	3
CHRYSOPSIS GOSSYPINA SSP CRUISEANA	CRUISE'S GOLDEN ASTER	G3G5T2	S2	C1	LE	5
DROSERA INTERMEDIA	SPOON-LEAVED SUNDEW	G5	S3	N	LT	1
GENTIANA PENNELLIANA	WIREGRASS GENTIAN	G2?	S2	3C	LE	3
HELIANTHEMUM ARENICOLA	GULF ROCKROSE	G3G4	S3	N	N	2
HEXASTYLIS ARIFOLIA	HEARTLEAF	G5	S3	N	LT	2
HYPERICUM LISSOPHLOEUS	SMOOTH-BARKED ST. JOHN'S-WORT	G2	S2	C2	LE	1
ILLICIUM FLORIDANUM	FLORIDA ANISE	G5	S3	N	LT	2
KALMIA LATIFOLIA	MOUNTAIN LAUREL	G5	S3	N	LT	3
LUPINUS WESTIANUS	GULF COAST LUPINE	G2	S2	3C	LT	10
MAGNOLIA ASHEI	ASHE'S MAGNOLIA	G2	S2	3C	LE	12
MAGNOLIA PYRAMIDATA	PYRAMID MAGNOLIA	G4	S2	N	LE	3
PINGUICULA IONANTHA	VIOLET-FLOWERED BUTTERWORT	G2	S2	C2	RE	1
PINGUICULA PLANIFOLIA	CHAPMAN'S BUTTERWORT	G3?	S2	C2	RE	1
POLYGONELLA MACROPHYLLA	LARGE-LEAVED JOINTWEED	G2	S2	C1	LT	12
QUERCUS ARKANSANA	ARKANSAS OAK	G3	S1S2	3C	N	4
RHEXIA SALICIFOLIA	PANHANDLE MEADOWBEAUTY	G2	S2	C2	N	3
RHODODENDRON AUSTRINUM	ORANGE AZALEA	G3G4	S3	3C	LE	3
SARRACENIA LEUCOPHYLLA	WHITE-TOP PITCHER-PLANT	G3G5	S3	C2	LE	2
SARRACENIA RUBRA	SWEET PITCHER-PLANT	G3	S2	C2	LE	1
STEWARTIA MALACODENDRON	SILKY CAMELLIA	G4	S3	N	LE	1

ELEMENT OCCURRENCE RECORDS FOR WALTON COUNTY CURRENTLY IN THE INVENTORY DATABASE (continued):

SCIENTIFIC NAME	COMMON NAME	GRANK	SRANK	FED STATUS	STATE STATUS	Count
SPECIAL PLANTS (cont.)						
TEPHROSIA MOHRII	PINELAND HOARY-PEA	G2?	S1	C2	N	6
THALICTRUM COOLEYI	COOLEY'S MEADOWRUE	G1	S1	C1	N	1
VERBESINA CHAPMANII	CHAPMAN'S CROWNBEARD	G2	S2	C2	LT	2
CALAMOVILFA CURTISSII	CURTISS' SANDGRASS	G1G2	S1S2	C2	RE	17
LILIUM IRIDOLLAE	PANHANDLE LILY	G1	S1	C2	LE	1
PELTANDRA SAGITTIFOLIA	SPOON-FLOWER	G3G4	S3	N	N	1
XYRIS LONGISEPALA	KARST POND XYRIS	G2	S2	3C	LE	1
NATURAL COMMUNITIES						
ESTUARINE TIDAL MARSH		G4	S4			2
COASTAL DUNE LAKE		G2	S1			5
BASIN SWAMP		G5	S4			1
SEEPAGE SLOPE	SEEPAGE SHRUB BOG	G4	S3			60
SLOUGH		G5	S5			1
WET PRAIRIE	PITCHER PLANT PRAIRIE	G5	S4			2
SEEPAGE STREAM		G4	S2			3
BEACH DUNE		G4	S3			3
COASTAL STRAND		G3	S3			2
MESIC FLATWOODS	COASTAL LONGLEAF FLATWOODS	G5	S5			3
SCRUB		G3	S2			7
SLOPE FOREST		G3	S2			1
UPLAND PINE FOREST		G5	S4			2
OTHER						
BIRD ROOKERY						1

Total items 58
Total records tallied 302

Appendix F. Publication resulting from CZM work in 1988.

[Manuscript accepted by SIDA - 8/88]

RE-DISCOVERY OF *CALAMOVILFA CURTISSII* (GRAMINEAE) IN THE FLORIDA PANHANDLE

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ABSTRACT

The range of *Calamovilfa curtissii* (Gramineae) in the Florida panhandle has been re-discovered and expanded. Observations on habitat, soils, associated species, and flowering response to fire are reported.

The Florida Natural Areas Inventory (FNAI) tracks populations of rare species in Florida, of which Curtiss' sand grass, *Calamovilfa curtissii* (Vascy) Scribn., is one. According to the published literature, this perennial grass is endemic to Florida in two disjunct regions: the northeast coast of the peninsula in Brevard, Volusia, St. Johns, and Duval Counties (Kral, 1982) and the panhandle in Santa Rosa and Okaloosa Counties (Thieret, 1966). However, none of the major Florida herbaria had specimens from the latter two (panhandle) counties. A query of major herbaria in the eastern United States turned up two specimens in the U. S. National Arboretum from Santa Rosa County. These were labelled "Grasses of the W. A. Silveus Collection, San Antonio, Texas" and had been collected on 14 August and 25 September, 1939 from "low damp ground - coast road east from Pensacola, U.S.98".

Accordingly, in August 1987 we checked the area east of Pensacola as described and found two populations of *C. curtissii* whose identity was confirmed by John

Thieret (KNK), David Hall (FLAS), and Robert Kral (VDB). Subsequent fieldwork uncovered over thirty sites for the species on the Florida panhandle in Santa Rosa, Okaloosa, and Walton counties (Fig. 1). One specimen from the Florida panhandle was deposited in each of the following: FLAS, FSU, KNK, NA, NY, UWFP, as well as at Tall Timbers Research Station, Tallahassee, and at Eglin Air Force Base, Niceville.

In the Florida panhandle, *C. curtissii* appears to be confined to the coastal plain below the 50-foot contour line in the three counties. Searches on adjacent barrier islands, as well as in suitable habitat on the coastal plain of neighboring Escambia and Bay Counties failed to turn up any populations (Fig. 1).

The plant occurs in wiregrass (*Aristida stricta* ; nomenclature in this paper follows Clewell, 1981) flatwoods where it occupies the lightly shaded ecotone between the lower, wetter, unshaded areas of wiregrass, pitcher plants (*Sarracenia* spp.) and *Sphagnum* moss, and the slightly higher, drier areas with heavier shade from gallberry (*Ilex glabra*) and slash pine (*Pinus elliotii*). A second habitat for the species is in depressions known as temporary ponds surrounded by more xeric communities dominated by turkey oak (*Quercus laevis*) or sand pine (*Pinus clausa*). In these situations it may form monospecific stands without admixture with wiregrass. It is distinguishable in the field as large clumps, (up to 1 m diameter), resembling a head of hair, in the midst of the smaller, finer-bladed clumps of wiregrass. It can be distinguished from clumps of *Andropogon* spp. with which it grows by its longer, more scabrous leaf blades and short, thick rhizome. It often occurs on Leon Sand, a soil type with upper horizons colored dark gray by organic matter and a water table close to the surface during the rainy season (Soil Survey of Santa Rosa County , Florida, 1980). Only populations that had signs of being

recently burned or mechanically disturbed were flowering profusely; most populations visited during flowering season (July-October) had few or no flowering stalks. In its flowering response to fire it resembles the associated wiregrass, as well as cutthroat grass (*Panicum abscissum*), a species endemic to similar habitats in south-central Florida (Myers and Boettcher, 1987). Although *C. curtissii* occurs on many sites and has a population probably numbering in the thousands in the Florida panhandle, most of these sites are slated for real estate development. The only populations on publicly managed lands (and thus able to be protected) in the panhandle were found on Eglin Air Force Base (5 populations), Grayton Beach State Recreation Area (2 populations), and Naval Live Oaks, Gulf Islands National Seashore (1 small population).

In Brevard County, on the northeast peninsular coast, the species is known to occur only on the Kennedy Space Center, where it dominates several long, narrow coastal swales of the ridge and swale topography of Merritt Island. Kral (1983) also lists it from Volusia, St. Johns, and Duval Counties on this coast, but no herbarium specimens could be located from these counties, and fieldwork has produced only one questionable specimen (near Samsula, Volusia County; Johnson 8039 FSU). Appropriate wiregrass flatwoods habitat in these counties, however, might well repay a more intensive search for this rare species.

A similar disjunction between the Florida panhandle and the peninsula is seen in the ranges of several other Florida endemics (Kral, 1983), i.e. *Andropogon arctatus*, *Manisurus tuberculosa*, *Nolina atopocarpa*, and *Rhododendron chapmanii*, all of which are also found in wet flatwoods. One could speculate that the greatly expanded coastal terraces bordering the Gulf of Mexico during low sea level stands of glacial maxima provided a continuous wet flatwoods habitat between the panhandle and the

peninsula, a habitat that was subsequently severed by sea level rise, producing the disjunct ranges we now see.

ACKNOWLEDGMENTS

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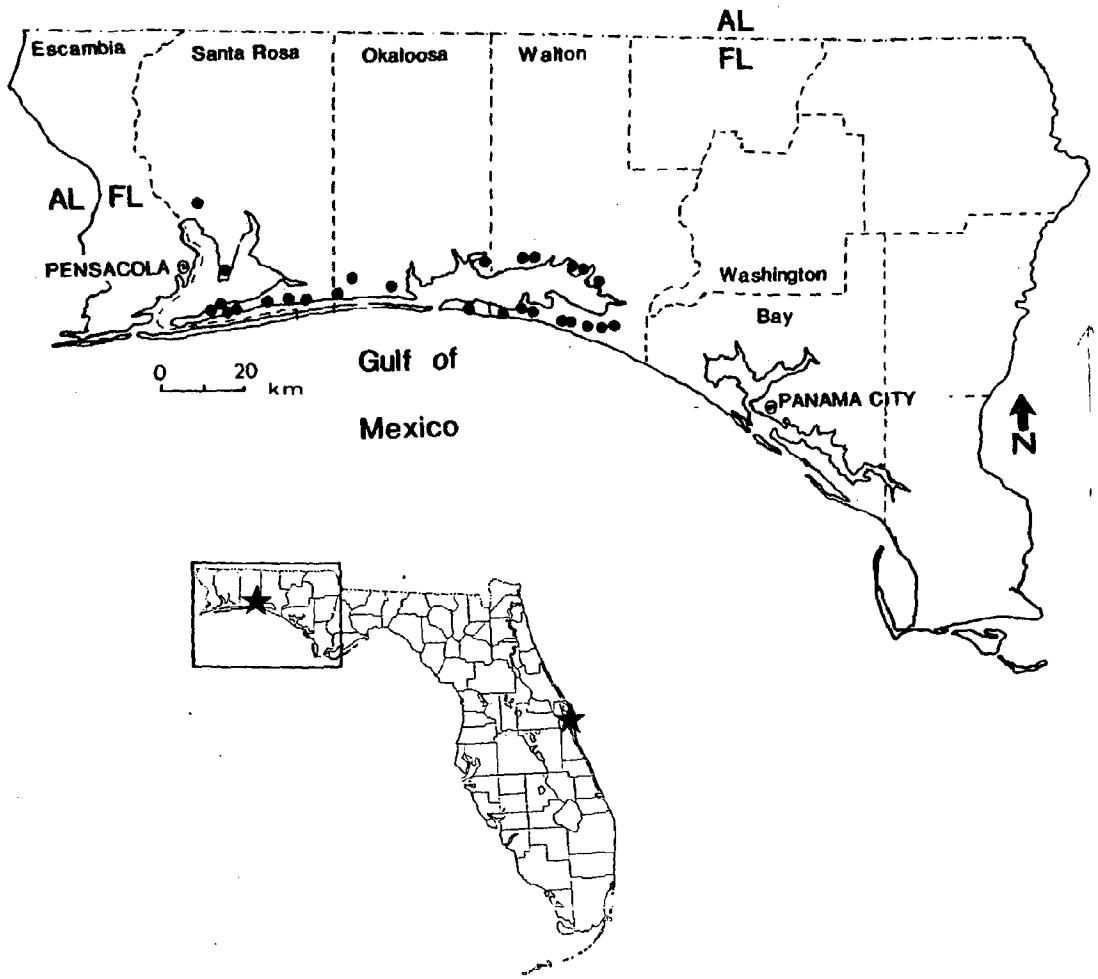
FIGURE LEGENDS

Figure 1. Range of *Calamovilfa curtissii* in the Florida panhandle. Stars = the disjunct range of *C. curtissii* in Florida; filled circles = sites where *C. curtissii* was found in the panhandle.

FIGURE 1. (Johnson & Blyth)



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