

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Boldly "X" this box if there is qualified data on this name.

Meter YSI #3 RQ- N/A Project LVI Salafé

- Notes:** (1) Numbers ≤ 4 , are rounded down; numbers ≥ 5 are rounded up (e.g., 5.15 becomes 5.2).
 (2) Always wait for meter to stabilize before recording any readings.
 (3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

Circle/Fill In: Lab Calibration or Calibration/Verification on Site _____

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 5/31/17

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	J. Park	8/14/17	7:45	23.5	8.49	8.49	100	63.5	-	P	
ICV	J	L	7:19	23.6	8.48	8.48	100	63.5	-	P	
CCV	J. Park	8/14/17	1550	23.2	8.55	8.54	99.9	63.5	-	P	
CCV											

Report DO mg/L with one decimal figure and DO % saturation as a whole number with no decimals.

DO Acceptance criteria from Table ± 0.3 mg/L.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

Optical: DO gain range 0.85 to 1.15; DO charge N/A.

Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

Spec. Cond. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	J. Park	8/14/17	7:22	170315B	3/18	1000	1000	P	
ICV	J	L	7:24	6147207	12/17	147	142	P	
CCV	J. Park	8/14/17	1552	170315A	3/18	100	98	P	
CCV									

Report specific conductance as a whole number with no decimal figure.

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	J. Park	8/14/17	7:25	1607412	6/18	7.0	7.0	-	P	L
Calibr.	J	L	7:26	2611996	5/18	4.0	4.0	-	P	L
Calibr.	J	L	7:27	2702743	6/18	10.0	10.0	-	P	L
ICV	J	L	7:28	1607412	11/18	4.0	4.04	-	P	L
CCV	J. Park	8/14/17	1553	2702743	1/14	10.0	10.07	-	P	L
CCV										

Report pH with one decimal place; pH Acceptance criteria ± 0.2 SU; mV pH7 Range 0 $\pm$ 50;

mV pH 4 Range +180 $\pm$ 50;

mV pH 10 Range -180 $\pm$ 50;

Slope from 7 to 10 and 4 to 7 must be between 165 and 180 mV

Depth (Quarterly)

Date of Last Depth Verification _____

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air	J. Park	8/14/17	7:24	0.000	0.02	P	

ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater

DEP-SOP-001/01: Form FD 9000-3
PHYSICAL/CHEMICAL CHARACTERIZATION ELECTRONIC FIELD SHEET

EL-4S

SAMPLE ID : _____ ORG ID : _____ Latitude : _____ Longitude : _____
 COUNTY : _____ STORET # : _____ (degrees) (minutes) (seconds) (degrees) (minutes) (seconds)
 DATE : _____ TIME : _____

SITE NAME : _____ SAMPLE COMPLETE ? _____
 FIELD ID/NAME : _____ RECEIVING BODY OF WATER : _____

RIPARIAN ZONE / STREAM FEATURES

PREDOMINANT LAND-USE IN WATERSHED (specify relative percent in each category) :							
Forest/Natural	silviculture	Field/Pasture	Agricultural	Residential	Commercial	Industry	Other (Specify)
Local Watershed Erosion (select one) : ☐ None ☐ Slight ☐ Moderate ☐ Heavy				Typical Width (m) Depth (m)/Velocity (m/sec) Transect			
Local Watershed NPS Pollution : ☐ No evidence ☐ Slight ☐ Moderate ☐ Heavy				m wide			
Width of Riparian Vegetation (m) on Each Buffer Side							
Left Bank :		Right Bank :		m/s		m/s	
High Water Mark: + =		Artificially Impounded		m deep		m deep	
(m) (above present water level) (present depth) (above bed)		☐ Yes ☐ No					
Artificially ☐ No ☐ Mostly recovered, more sinuous		Canopy Cover % : ☐ Open ☐ Lightly Shaded (11-45%)					
Channelized : ☐ Some recovery ☐ Recent, severe		☐ Heavily Shaded ☐ Moderate Shaded (46-80%)					

SEDIMENT / SUBSTRATE

Sediment Oils ☐ Absent ☐ Slight ☐ Moderate ☐ Profuse		Sediment Odors ☐ Normal ☐ Sewage ☐ Petroleum ☐ Chemical ☐ Anaerobic ☐ Other (Specify) : _____		Sediment Deposition ☐ Sludge Sand Smothering : None Slight Moderate Severe Silt Smothering : None Slight Moderate Severe ☐ Other (Specify) : _____	
SUBSTRATE TYPE Assessment Tool: ☐ SCI ☐ BioRecon ☐ LCI ☐ LVI INVERT PERI % # Times # Times Coverage Sampled Sampled		WATER QUALITY			
Woody Debris (Snags)		Depth (M)	Temp. (°C)	pH (SU)	D.O. (MG/L)
Undercut Banks / Roots		Top :			
Leaf Packs or Mat		Mid-Depth :			
Aquatic Vegetation		Bottom :			
Rock or Shell Rubble..		Water Surface Oils : ☐ None ☐ Sheen ☐ Globbs ☐ Slick			
Sand.....		Water Odors : ☐ Normal ☐ Sewage ☐ Petroleum ☐ Chemical			
Mud / Muck / Silt		☐ Other (Specify) : _____			
Other		Water Sample Taken ? ☐ Yes ☐ No		SYSTEM TYPE ☐ Stream ☐ Lake	
Other		Algae Sample Taken ? ☐ Yes ☐ No		☐ Wetland ☐ Estuary	
		Clarity ☐ Clear ☐ Slightly Turbid ☐ Turbid ☐ Opaque		Color ☐ Tannic ☐ Green (Algae) ☐ Clear ☐ Other (Specify) : _____	

WEATHER CONDITIONS / NOTES :

☐ The antecedent hydrologic conditions have been met to my best knowledge. Water samples preserved ? ☐ Yes ☐ pH<2 ☐ No Algae samples preserved ? ☐ Yes ☐ No		ABUNDANCE Absent Rare Common Abundant Periphyton : ☐ ☐ ☐ ☐ Fish : ☐ ☐ ☐ ☐ Aquatic Macrophytes : ☐ ☐ ☐ ☐ Iron/Sulfur Bacteria : ☐ ☐ ☐ ☐			
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SAMPLING TEAM : _____ **SIGNATURE :** _____ **DATE :** _____

STATE OF FLORIDA, DEPARTMENT OF ENVIRONMENTAL PROTECTION
Lake Habitat Assessment Field Sheet

77916

STORET STATION NUMBER: 51045	DATE (M/D/Y) 8/14/17	LAKE NAME Santa Fe Lake		FIELD ID / NAME:												
ECO-REGION:	COUNTY:	SAMPLING LOCATION/DESCRIPTION:		LAKE SIZE:												
PARAMETER	No surface inflow or outflow present, very long water residence time, groundwater seepage dominates	Surface water inflow present, but flow is rare, moderate to long water residence time	Surface water inflow and outflow present (or outflow only), sometimes with visible flow, short water residence time	Impounded, hydrology of system artificially controlled												
HYDROLOGY	☐	☒	☐	☐												
Color	Very clear, uncolored water (benthic sampling appropriate) ☐	Water somewhat tannin stained (benthic sampling appropriate) ☐	Dark, discolored water (water color 20 PCU or higher) ☒	Visibility extremely reduced due to high color ☐												
	Optimal	Suboptimal	Marginal	Poor												
Secchi	Secchi > 3 m Or VOB	3	2.6	2.2	1.8	1.4	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1
	20 19 18 17 16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
Vegetation Quality	Diverse, expected native vegetation (emergent or submersed), less than 5% nuisance taxa	Mostly expected native plants, but moderate growths (6%-20% of lake) of nuisance macrophytes, or more than 50% of lake covered with plants		Large masses (21%-40%) of nuisance macrophytes (e.g., Hydrilla, hyacinth, cattail, etc.) or algal mats		Lake choked (>40%) with nuisance macrophytes (duckweed, hyacinth, etc.) or algal mats, or few plants present at all (e.g., plants removed)										
	20 19 18 17 16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
Stormwater Inputs	Stormwater enters system via sheet flow over non-cultivated and/or natural vegetation	Some direct stormwater inputs (ditches, pipes, cultivated vegetation < 10%) but good BMPs in place		Moderate direct inputs of stormwater (ditches, pipes, cultivated vegetation 11%-50%) but few BMPs in place		Much direct input of stormwater (ditches, pipes, cultivated vegetation > 51%) and no or ineffective BMPs in place										
	20 19 18 17 16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
Bottom Substrate Quality	Diverse mixture of sand, detritus, with small amounts of CPOM/mud/muck. SAV may be present	Mixture of sand or clay and detritus with higher % CPOM/mud/muck content. SAV may be present		Moderate layer of CPOM/mud/muck, or hardpacked sand only, or moderate algal growth (mats or Chara) on bottom		Thick deposits of CPOM, or fine detritus and anaerobic muck/mud/silt, or algal growth or nuisance plants (Hydrilla) cover bottom										
	20 19 18 17 16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
Lakeside Adverse Human Alterations	Very few man-made structures, roads, or other disturbance adjacent to lake (<10%)	Moderate disturbance visible (structures, roads or other), 10%-49% lakeside affected		Many structures, roads or other human disturbance visible (50%-70%) lakeside affected		Highly developed or disturbed (>70% of lakeside affected)										
	20 19 18 17 16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
Upland Buffer Zone	Expected native vegetation between uplands and littoral zone, greater than 90% of shore with >18 m buffer	89%-51% of shoreline with >18m buffer or >75% with 10m to 18m buffer		50%-30% of shoreline with >18m buffer or 50%-74% with 10m to 18m buffer		< 29% of shoreline with >18m buffer										
	20 19 18 17 16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
Adverse Watershed Land Use	Score the potential effects from adverse human land uses, based on a continuum of amount and type, with least to most adverse as follows: Native vegetation, Silviculture, Pasture or Citrus, Low Density Residential, Row Crops, Commercial, High Density Residential, Urban, Industrial															
	20 19 18 17 16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1

TOTAL SCORE

90

COMMENTS:

ANALYSIS DATE:

8/14/17

ANALYST:

J. Ann

SIGNATURE:

J. Ann



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

March 2017

PAGE 1 OF 1

Date Qualified?
Yes / No

Location/STORET Station Name: Santa Fe Lake

Date: 8/14/17

STORET #

5140351045

WBID: 36056

Latitude: 29 43 58.4"

County: Alachua RQ - 2017

ORG ID: 21FLA

Longitude: 82 05 25.04"

Receiving Body of Water: Little Lake Santa Fe Field ID: See Label

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment		
						Sample Container	Van Dorn	Pole
B. De J. Parrish	☒	☒	☒	☒	☒	☐ Carboy	☐ Syringe	☐ Other
	☐	☐	☐	☐	☐	☐ Dipper	☐ Other	☐ Other
	Equipment ID OrthoKit #							
Collection Method								
☐ Wading						Via Boat		
☐ From Shore						☐ Canoe/Kayak		
☐ Other (note below)						☐ Electric Motor		
						☐ Gasoline Motor		

Water Level:	Dry / Pooled / Low / Normal / High / Flooded	Matrix:	fresh / Marine / DI							
Meter ID#	Photos: Yes / No	Tide Falling:	Yes / No / NA							
Time Zone	Time	Sample Depth (m)	Total Depth (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (ppt)	Secchi Disk (m)	Sp COND (µmhos/cm)	Temp. (C°)
EST	1102	0.4	5	7.56	89.6	6.55	0.04	1.6	83	29.9
CEN	1104	2.0		7.2	94.0	6.35	0.04		83	29.2

Biological Samples Collected: ☒ None HA SCI RPS Algae ID LVS ☒ LVI Other

SBIO ID Numbers: SBIO-ID: RPS-ID: Macrophyte-ID: LIMS#:

Parameter Suite	Parameter Methods	Preservation	Acid Lot#	Expiration	pH Check
Preserved Nutrients	☐ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	☐ Ice ☐ H2SO4			☐ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO3			☐ <2
Filtered Nutrients	☐ W-PO4-F ☐ Field Filtered 0.45 µm Filter	☐ Ice			
Chlorophyll	☐ CHLSUITE-W	☐ Ice			
Physical/Aggregate (Fresh)	☐ Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS	☒ Ice			
Physical/Aggregate (Marine)	☐ Alkalinity / W-F / W-TSS / TURBIDITY	☐ Ice			
Macroinvertebrates	☐ MI-FW-QLDC	☐ Formalin			
Periphyton	☐ ALGAE-ID	☐ Ice			
Microbiology	☐ E Coli ☒ F Coli ☐ Enterococci ☐ qPCR	☐ Ice			
Tracers	☐ W-SUC-AA-R ☐ W-UHERB-AA ☐ W-AHERB-AA	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-AHERB-AA ☐ W-PYR-AA-R	☐ Ice			
	☐ W-PCL-SQ-R ☐ W-UHERB-AA ☐ W-GLYPH ☐ W-SUC-AA-R	☐ Other			

Notes: Status #: Z2-LL-11004

Place Label Here (If Available)

Signature: Date:

Field Parameters Entered into LIMS: (Initials/Date) Field Parameters QC in LIMS: (Initials/Date)

Date Migrated to STORET: (Initials/Date) Field Sheets Scanned/Saved: (Initials/Date)

DEP FORM FD 9000-31: LAKE OBSERVATION FIELD SHEET

SAMPLE ID: 7294 MACROPHYTE ID: _____
COUNTY: Alachua STORET #: 5140351645 LATITUDE: 29 43 58.4
DATE: 8/14/17 TIME: 1002 LONGITUDE: 82 05 25.04
SITE NAME: Santa Fe Lake SAMPLING AGENCY: _____
FIELD ID/NAME: _____ WBID: 36056
LAKE SIZE: _____ RQ: _____

WATERSHED / LAKESIDE FEATURES

PREDOMINANT LAND-USE IN WATERSHED (specify relative percent in each category – from GIS) : Forest/Natural <u>40</u> Silviculture _____ Field/Pasture _____ Agricultural _____ Residential <u>60</u> Commercial _____ Industrial _____ Other (Specify) _____						LANDSCAPE DEVELOPMENT INTENSITY (100 m buffer) LDI: _____			
Local Watershed Erosion (select one) : ☐ None ☒ Slight ☐ Moderate ☐ Heavy						Artificially Impounded ☐ Yes ☐ No			
Local Watershed NPS Pollution : ☐ No evidence ☒ Slight ☐ Moderate ☐ Heavy						Land Use Source & Year: _____			
STORMWATER INPUTS <u>13</u>		Stormwater enters system via sheet flow over non-cultivated and/or natural vegetation		Some direct stormwater inputs (ditches, pipes, cultivated vegetation < 10%) but good BMPs in place		Moderate direct inputs of stormwater (ditches, pipes, cultivated vegetation 11%-50%) but few BMPs in place		Much direct input of stormwater (ditches, pipes, cultivated vegetation > 51%) and no or ineffective BMPs in place	
20 19 18 17 16		15 14 13 12 11		10 9 8 7 6		5 4 3 2 1			
LAKESIDE ALTERATIONS <u>V</u>		Very few man-made structures, roads, or other disturbance adjacent to lake (<10% lakeside affected)		Moderate disturbance visible - structures, roads or other (10%-49% lakeside affected)		Many structures, roads or other human disturbance visible (50%-70% lakeside affected)		Highly developed or disturbed (>70% of lakeside affected)	
20 19 18 17 16		15 14 13 12 11		10 9 8 7 6		5 4 3 2 1			
BUFFER ZONE <u>11</u>		Expected native vegetation between uplands and littoral zone, greater than 90% of shore with >18 m buffer		89%-51% of shoreline with >18m buffer or >75% with 10m to 18m buffer		50%-30% of shoreline with >18m buffer or 50%-74% with 10m to 18m buffer		< 29% of shoreline with >18m buffer	
20 19 18 17 16		15 14 13 12 11		10 9 8 7 6		5 4 3 2 1			

WATER / SUBSTRATE / BIOLOGICAL: SAMPLES AND OBSERVATIONS

Water: Nutrient Sample Taken? ☐ Yes ☒ No Preserved? ☐ Yes ☐ pH<2 ☐ No Color Sample Taken? ☐ Yes ☒ No Lot # _____ Exp. Date: _____ Alkalinity Sample Taken? ☐ Yes ☒ No Water Level ☐ Low ☐ Normal ☒ High						Water Odors: ☒ Normal ☐ Sewage ☐ Petroleum ☐ Other _____					
Meter Readings: Top: <u>0.4</u> <u>29.9</u> <u>6.55</u> <u>7.56</u> <u>99.6</u> <u>83</u> <u>0.04</u> Mid-Depth: _____ Bottom: <u>5</u>						Water Surface Oils: ☒ None ☐ Sheen/Slick ☐ Glob ☐ Other _____					
Meter ID: _____						Clarity: ☒ Clear ☐ Opaque ☐ Turbid ☐ Slightly Turbid Color: ☐ Clear ☒ Tannic ☐ Green					
Sediment Type: (may check more than one) ☒ Sandy ☐ Organic fibrous (peaty, CPOM) ☐ Vegetated ☐ Sand/Silt ☐ Organic smooth (muck) ☐ Other (Specify): _____						Sediment Odors: ☒ Normal ☐ Anaerobic ☐ Other (Specify): _____					
Biological Communities: LVI Conducted? ☒ Yes ☐ No Phytoplankton Sample Taken? ☐ Yes ☒ No Sample Preserved? ☐ Yes ☐ No Lot #: _____ Exp Date: _____ Algal Bloom/Algal ID Sample Taken? ☐ Yes ☐ No Active Vegetation Mgmt? ☐ Yes ☐ No ☐ Don't Know						Abundance: Absent Rare Common Abundant Periphyton ☐ ☒ ☐ ☐ Nuisance Plants ☐ ☐ ☒ ☐ Submersed Plants ☐ ☐ ☒ ☐ Exotic Apple Snails ☒ ☐ ☐ ☐					
Weather Conditions: <u>overcast</u>						Additional Notes: 					
SAMPLING TEAM: <u>Jerry Sun / B Davis</u>						SIGNATURE: <u>Jerry Sun</u>					
DATE: <u>8/14/17</u>											

FORM FD 9000-27: LAKE VEGETATION INDEX FIELD SHEET

Site:					Date:						
SPECIES	2	5	8	11	Collected? (✓)	SPECIES	2	5	8	11	Collected? (✓)
Myriophyllum aquaticum						Salix caroliniana	✓	✓	✓		
*Myriophyllum heterophyllum						Salvinia minima					
*Myriophyllum laxum						Sambucus canadensis					
*Myriophyllum pinnatum						Sapillum sebiferum					
Myriophyllum spicatum						Saururus cernuus					
*Najas filifolia						Schinus terebinthifolius				✓	✓
*Najas guadalupensis						*Schoenoplectus californicus				✓	✓
*Najas minor						*Schoenoplectus pungens					
Nelumbo lutea						*Schoenoplectus tabernaemontani (Scirpus validus)					
Nitella spp.						Scirpus cubensis (Oxycaryon cubense)				✓	✓
Nuphar sp.		✓	✓	✓		Scirpus cyperinus					
Nymphaea odorata	✓					*Sesbania <i>Puricea</i>	✓	✓	✓	✓	
Nymphoides aquatica						Solidago sp.					
Nyssa sylvatica var. biflora		✓	✓	✓		Sparganium americanum					
Orontium aquaticum						Spartina bakeri					
Osmunda cinnamomea						Spirodela polyrhiza					
Osmunda regalis						Taxodium sp.	✓	✓	✓	✓	
Panicum hemitomon	✓	✓	✓	✓		Thalia geniculata					
Panicum repens	✓	✓	✓	✓		Thelypteris palustris					
Paspalidium geminatum						Triadenum virginicum					
*Paspalum repens						Typha sp.	✓	✓		✓	
Paspalum urvillei				✓		Urochloa mutica (Brachiaria mutica)					
Peltandra sp.						*Utricularia gibba (U. biflora)					
Persea sp.						*Utricularia floridana					
Pennisetum purpureum						*Utricularia foliosa					
Phragmites australis						*Utricularia inflata				✓	✓
Pinus elliotii						*Utricularia purpurea					
Platia stratioides	✓					*Utricularia cornuta					
Pluchea sp.						*Utricularia radiata					
*Polygonum glabrum (densiflorum)						Vallisneria americana					
*Polygonum hydropiperoides						*Websteria confervoides					
*Polygonum punctatum						Wedelia trilobata (Sphagneticola trilobata)	✓				
*Polygonum						Wolffiella spp.					
Pontederia cordata	✓	✓	✓	✓		Woodwardia virginica					
*Potamogeton diversifolius						Xyris sp.					
*Potamogeton illinoensis						Zizania aquatica					
*Potamogeton pusillus						Zizaniopsis milacea					
*Potamogeton pectinatus (Stuckenia pectinatus)						Utricularia spp. inflata			✓		✓
Proserpinaca pectinata						Najas spp. filifolia			✓		✓
*Rhexia											
*Rhynchospora corniculata											
*Rhynchospora inundata											
Rhynchospora tracyi											
Ricciocarpus natans											
Sabal palmetto											
Sacciolepis striata											
*Sagittaria filiformis											
*Sagittaria graminea											
*Sagittaria isoetiformis											
Sagittaria lancifolia											
Sagittaria latifolia											

23-LI-11004

DEP FORM FD 9000-27 LAKE VEGETATION INDEX FIELD SHEET

77916 (AK)

Waterbody: <u>Lake Sante Fe</u>	County: <u>Brad Alachua</u>	Date: <u>8/14/17</u>
Analyst: <u>J. Pawish, B. Davis</u>	Signature: _____	STORET: <u>21050052</u> 51045
Except where noted as "sp." species level identification required. *Genera that may require lab verification* Plants in bold = FLEPPC Invasive exotic.		Lake units sampled (circle one group): 1, 4, 7, 10 <u>2, 5, 8, 11</u> 3, 6, 9, 12
It is important to note dominant or co-dominant taxa (by areal extent) for each unit. Use "D" to denote dominant taxon, or "C" for the 2 co-dominant taxa.		

SPECIES	2	5	8	11	Collected? (✓)	SPECIES	2	5	8	11	Collected? (✓)
<i>Acer rubrum</i>	✓	✓	✓	✓		<i>Habenaria repens</i>					
<i>Alternanthera philoxeroides</i>	✓	✓	✓	✓		<i>Hydrilla verticillata</i>					
<i>Andropogon</i> sp.						<i>Hydrocotyle</i> sp.		✓			
<i>Azolla filiculoides</i> (A. caroliniana)						<i>Hygrophila polysperma</i>	✓				
<i>Baccharis</i> sp.						* <i>Hypericum fasciculatum</i>					
<i>Bacopa caroliniana</i>						* <i>Hypericum hypericoides</i>					
<i>Bacopa monnieri</i>						* <i>Hypericum myrtifolium</i>					
<i>Bidens laevis</i>						<i>Ilex cassine</i>					
<i>Bidens mitis</i>						<i>Ipomoea aquatica</i>					
<i>Blechnum serrulatum</i>						<i>Ipomoea sagittata</i>					
<i>Boehmeria cylindrica</i>						<i>Itea virginica</i>					
<i>Brasenia schreberi</i>						<i>Juncus effusus</i>					
<i>Cabomba caroliniana</i>						* <i>Juncus marginatus</i>					
<i>Casuarina equisetifolia</i>						* <i>Juncus megacephalus</i>					
<i>Centella asiatica</i>						<i>Juncus repens</i>					
<i>Cephalanthus occidentalis</i>	✓	✓	✓	✓		* <i>Juncus scirpoides</i>					
<i>Ceratophyllum demersum</i>						<i>Lachnanthes caroliniana</i>		✓	✓		
<i>Chara</i> sp.						<i>Leersia hexandra</i>					
<i>Cladium jamaicense</i>		✓	✓			<i>Landoltia punctata</i> (Spirodela punctata)					
<i>Cliftonia monophylla</i>						<i>Lemna</i> sp.					
<i>Colocasia esculenta</i>	✓	✓	✓	✓		<i>Leucothoe racemosa</i> (Eubotrys racemosa)					
* <i>Commelina</i>						<i>Limnium spongia</i>					✓
<i>Crinum americanum</i>						<i>Limnophila sessiliflora</i>					
* <i>Cyperus alternifolius</i> (C. involucratus)						<i>Liquidambar styraciflua</i>	✓		✓	✓	
<i>Cyperus articulatus</i>						* <i>Ludwigia arcuata</i>		✓		✓	
<i>Cyperus haspan</i>						* <i>Ludwigia leptocarpa</i>	✓	✓		✓	
* <i>Cyperus lecontei</i>						* <i>Ludwigia linearis</i>					
* <i>Cyperus polystachyos</i>						* <i>Ludwigia octovalvis</i>				✓	✓
* <i>Cyperus odoratus</i>				✓		* <i>Ludwigia peruviana</i>			✓		
* <i>Cyperus surinamensis</i>	✓					* <i>Ludwigia repens</i>					
<i>Cyrtia racemiflora</i>						* <i>Ludwigia</i>					
<i>Decodon verticillatus</i>						<i>Luziola fluitans</i> (Hydrochloa carolinensis)					
<i>Diodia virginiana</i>						<i>Lyonia lucida</i>		✓			
* <i>Echinochloa crus-galli</i>						<i>Magnolia virginiana</i>					
<i>Echinochloa muricatum</i>						<i>Mayaca fluviatilis</i>					
<i>Echinochloa walteri</i>						<i>Melaleuca quinquenervia</i>					
<i>Elymus prostratus</i> (E. alba)						<i>Micranthemum glomeratum</i>					
<i>Elymus densa</i>						<i>Micranthemum umbrosum</i>					
<i>Eichhornia crassipes</i>			✓	✓		<i>Mikania scandens</i>					
* <i>Eleocharis baldwinii</i>	✓		✓	✓		<i>Mimosa pigra</i>		✓	✓	✓	✓
* <i>Eleocharis</i>						<i>Myrica cerifera</i>	✓	✓	✓	✓	✓
<i>Eleocharis cellulosa</i>											
<i>Eleocharis equisetoides</i>											
<i>Eleocharis interstincta</i>											
* <i>Eriocaulon compressum</i>											
* <i>Eriocaulon decangulare</i>		✓	✓	✓							
<i>Eupatorium capillifolium</i>	✓	✓	✓	✓							
* <i>Fuirena</i>											
<i>Fuirena scirpoidea</i>			✓	✓							
<i>Gordonia lasianthus</i>		✓									