



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

STRATEGIC MONITORING PLAN Field Sheet

July 2022

Meter
Passed End
of Day CCV

Yes / No

WIN Station Name:	Wood Lake Center				Sample Date:	5/24/2023	
WIN / Field ID:	G1SW0080	ORG ID:	21FLTPA	ENR:	Latitude:		28.15514
County:	Hillsborough	WBID:	1474X	LAKE	Longitude:		-82.57749
Receiving Body of Water:	-				RQ-	2023-05-22-06	

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Ben Paswater	x		x	x	
Devin Mathias		x			x

Sampling Equipment				
x	Sample Container		Carboy	
	Dipper		Van Dorn	
	Syringe		Pole	
	Syringe Lot#	2153759	Filter Lot#	17756911
	Secchi Equipment ID:	Saber #1		
Collection Method				
	Wading	x	Canoe/Kayak	
	From Shore		Electric Motor	
			Gasoline Motor	
	Depth Measured With	Sonar		

Water Level:	Normal
Flow:	NA
Matrix:	Fresh
Tide Stage:	
High Tide:	
Low Tide:	
Photos:	No
Meter ID:	Leia
Depth Gauge ID:	depth_gauge

Time Zone	Time	Total Depth (m)	Sample Depth (m)	DO (mg/L)	DO (%SAT)	Temp. (°C)	pH	Secchi Disk (m)	Sp COND (µmhos/cm)	Salinity (PPT)
EST	1100	3.4	0.3	7.22	95.3	29.7	7.05	2.1	162	0.07
	1100		2	7.26	95.1	29.5	6.89		161	0.07
	1101		2.9	6.86	89.2	29.3	6.87		161	0.07

Biological Samples Collected:

LVI

SBIO Visit ID:

86895

HA ID:

18486

RPS ID:

Macrophyte ID:

12442

LIMS Sample ID Entered

Into The Macrophyte Module:

Parameter Suite	Parameter Methods (LIMS Test Codes)	Type	Lot#	Expiration Date	pH Check			
Microbiology								
Chlorophyll	CHLSUITE-W	ICE						
Physical/Aggregate	ALKALINITY, TURBIDITY, W-F, W-TSS	ICE						
Nutrients	W-CL-IC, W-COLOR, W-SO4-IC, W-TDS	ICE						
Filtered Nutrients	W-PO4-F	Field Filtered 0.45 µm Filter						
Acid Preserved Nutrients	W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	ICE	H2SO4*	SA3013020	01/25/24	H2SO4 pH<2		
Metals	W-ICPMS	W-ICP	W-HARD	ICE	HNO3**	NA22303040	09/01/23	HNO3 pH<2
Organics (LC)	W-E8321-DI	W-E8321-MS						
Macroinvertebrates								
Organics (GC)	W-PSNP-TQ	W-TR-SQ-R						
Molecular								
Periphyton								
Phytoplankton								
BOD								
DOC								
Other(s)								
Field Comments:	Partly cloudy, sunny							
Comments on COC:								
Relinquish Date:	05/24/2023	Signature:						

LIMS EVENT ID: SW-DIST-2023-05-25-01

WIN Import ID: 41690

Enter Field Parameters, Verify Station ID In LIMS DMT: DM 6/5/2023

QC Station ID, Field Parameters In LIMS DMT: MM 7/24/2023

Save Field Sheets on Network: MM 7/24/2023 (Initials/Date)

Migrate Data to WIN: MM 7/24/2023 (Initials/Date)

(Initials/Date)

(Initials/Date)



Site Name:

Wood Lake Center

COUNTY: _____

LAKE SIZE: _____

WBID: _____

MACROPHYTE ID: _____

WATERSHED / LAKESIDE FEATURES

PREDOMINANT LAND-USE IN WATERSHED (specify relative percent in each category – from GIS)										LANDSCAPE DEVELOPMENT INTENSITY (100 m buffer)											
Forest/Natural	Silviculture	Field/Pasture	Agricultural	Residential	Commercial	Industrial	Other (Specify)														
20				86																	
Local Watershed Erosion (select one): ☐ None ☒ Slight ☐ Moderate ☐ Heavy						Artificially Impounded ☐ Yes ☒ No					LDI: _____										
Local Watershed NPS Pollution: ☐ No evidence ☒ Slight ☐ Moderate ☐ Heavy											Land Use Source & Year:										
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										
16		20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
LAKESIDE ALTERATIONS		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)										
13		20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
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										
9		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 ☐ No pH<2 ☐ No Color Sample Taken? ☒ Yes ☐ No Lot # <u>See field notes</u> Exp. Date: _____ Alkalinity Sample Taken? ☒ Yes ☐ No Water Level ☐ Low ☒ Normal ☐ High										Water Odors: ☒ Normal ☐ Sewage ☐ Petroleum ☐ Other _____ Water Surface Oils: ☒ None ☐ Sheen/Slick ☐ Glob ☐ Other _____									
Meter Readings: Top: Depth (M) 0.3 Temp. (°C) 29.7 pH (SU) 7.05 D.O. (MG/L) 7.22 D.O. Sat. (%) 95.3 Cond. (UMHO/CM) 162 Salinity (PPT) .02 Mid-Depth: Depth (M) 2.0 Temp. (°C) 29.5 pH (SU) 6.89 D.O. (MG/L) 7.26 D.O. Sat. (%) 95.1 Cond. (UMHO/CM) 161 Salinity (PPT) .02 Bottom: Depth (M) 2.9 Temp. (°C) 29.3 pH (SU) 6.87 D.O. (MG/L) 6.86 D.O. Sat. (%) 89.2 Cond. (UMHO/CM) 161 Salinity (PPT) 0.02										Clarity: ☒ Clear ☐ Opaque ☐ Turbid ☐ Slightly Turbid Color: ☒ Clear ☐ Tannic ☐ Green SECCHI (M) 2.1 Total Station Depth (M) 3.4 VOB _____									
Sediment Type: (may check more than one) ☒ Sandy ☐ Organic fibrous (peaty, CPOM) ☒ Vegetated ☐ Sand/Silt ☐ Organic smooth (muck) ☐ Other (Specify): _____ Sample Taken? ☐ Yes ☒ No										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 ☒ No Active Vegetation Mgmt? ☐ Yes ☐ No ☒ Don't Know										Abundance: Absent Rare Common Abundant Periphyton ☐ ☐ ☒ ☐ Nuisance Plants ☐ ☐ ☐ ☒ Submersed Plants ☐ ☐ ☐ ☒ Exotic Apple Snails ☐ ☐ ☒ ☐									
Additional Notes:																			
Weather Conditions: Sunny ~ 85																			
SAMPLING TEAM: Ben Paswater, Devin Mathias										SIGNATURE: Ben Paswater					DATE: 5/24/2023				

Site Name: **Wood Lake Center**

Waterbody:	County:
Signature:	Date:

required. *Genera that may require lab verification*

Lake units sampled (circle one group):

1, 4, 7, 10 2, 5, 8, 11
3, 6, 9, 12

Plants in bold= FLEPPC invasive exotic.

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 (A-F)	1	4	7	10	Collected? (✓)	SPECIES (G-L)	1	4	7	10	Collected? (✓)
Acer rubrum	✓	✓	✓	✓		Gordonia lasianthus		✓	✓	✓	
Alternanthera philoxeroides						Habenaria repens					
Andropogon sp.				✓		Hymenachne amplexicaulis					
Azolla filiculoides (A. caroliniana)				✓		Hydrilla verticillata	D	D	D	D	
Baccharis sp.				✓		Hydrocotyle sp.	✓	✓	✓	✓	
Bacopa caroliniana				✓		Hygrophila polysperma					
Bacopa monnieri				✓		*Hypericum fasciculatum					
Bidens laevis						*Hypericum hypericoides					
Bidens mitis						*Hypericum myrtifolium					
Blechnum serrulatum						Ilex cassine					
Boehmeria cylindrica	✓		✓	✓		Ipomoea aquatica					
Brasenia schreberi						Ipomoea sagittata					
Cabomba caroliniana						Itea virginica					
Casuarina equisetifolia						Juncus effusus					
Centella asiatica				✓		*Juncus marginatus					✓
Cephalanthus occidentalis			✓	✓		*Juncus megacephalus					
Ceratophyllum demersum						Juncus repens					
Chara sp.						*Juncus scirpoides					
Cladium jamaicense						Lachnanthes caroliniana			✓		
Cliftonia monophylla						Leersia hexandra					
Colocasia esculenta						Landoltia punctata (Spirodela punctata)					
*Commelina				✓		Lemna sp.					
Crinum americanum						Leucothoe racemosa (Eubotrys racemosa)					
* Cyperus alternifolius (C. involucratus)						Limnium spongia					
Cyperus articulatus						Limnophila sessiliflora					
Cyperus haspan						Liquidambar styraciflua		✓			
*Cyperus lecontei						*Ludwigia arcuata					
*Cyperus polystachyos						*Ludwigia leptocarpa					
*Cyperus odoratus						*Ludwigia linearis					
*Cyperus surinamensis						*Ludwigia octovalvis					
Cyrtilla racemiflora						* Ludwigia peruviana					✓
Decodon verticillatus						*Ludwigia repens					
Diodia virginiana						*Ludwigia					
*Echinochloa crus-galli						Luziola fluitans (Hydrochloa carolinensis)					
*Echinochloa muricatum						Lyonia lucida					
Echinochloa walteri											
Eclipta prostrata (E. alba)											
Egeria densa											
Eichhornia crassipes											
*Eleocharis baldwinii	✓	✓	✓								
*Eleocharis											
Eleocharis cellulosa											
Eleocharis equisetoides											
Eleocharis interstincta											
*Eriocaulon compressum											
*Eriocaulon decangulare											
Eupatorium capillifolium	✓										
*Fuirena				✓							
Fuirena scirpoidea			✓	✓							

Site Name: **Wood Lake Center**

SPECIES (M-P)					Collec ted? (✓)	SPECIES (R-Z)					Collec ted? (✓)
	1	4	7	10			4	7	10		
Magnolia virginiana						*Rhexia					
Mayaca fluviatilis						*Rhynchospora corniculata					
Melaleuca quinquenervia	✓	✓	✓			*Rhynchospora inundata					
Micranthemum glomeratum						Rhynchospora tracyi					
Micranthemum umbrosum						Ricciocarpus natans					
Mikania scandens				✓		Sabal palmetto					
Mimosa pigra						Sacciolepis striata		✓			
Myrica cerifera	✓		✓	✓		*Sagittaria filiformis					
Myriophyllum aquaticum						*Sagittaria graminea					
*Myriophyllum heterophyllum						*Sagittaria isoetiformis					
*Myriophyllum laxum						Sagittaria lancifolia	✓	✓	✓		
*Myriophyllum pinnatum						Sagittaria latifolia					
Myriophyllum spicatum						Salix caroliniana		✓			
*Najas filifolia						Salvinia minima					
*Najas guadalupensis						Sambucus canadensis					
*Najas minor						Sapium sebiferum					
Nelumbo lutea						Saururus cernuus					
Nitella spp.	✓					Schinus terebinthifolius					
Nuphar sp.	✓		✓	✓		*Schoenoplectus californicus (Cali bulrush)					
Nymphaea odorata						*Schoenoplectus pungens (three square)					
Nymphoides aquatica		✓	✓			*Schoenoplectus tabernaemontani (softstem)					
Nyssa sylvatica var. biflora						Scirpus cubensis (Oxycaryon cubense)					
Orontium aquaticum						Scirpus cyperinus					
Osmunda cinnamomea						*Sesbania					
Osmunda regalis						Solidago sp.					
Panicum hemitomon		✓	✓	✓		Sparganium americanum					
Panicum repens	✓	✓	✓	✓		Spartina bakeri					
Paspalidium geminatum						Sphagneticola trilobata (Wedelia)	✓		✓		
*Paspalum repens						Spirodela polyrhiza					
Paspalum urvillei						Taxodium sp.	✓	✓	✓	✓	
Peltandra sp.						Thalia geniculata					
Persea sp.			✓			Thelypteris palustris	✓				
Pennisetum purpureum						Triadenum virginicum			✓	✓	
Phragmites australis		✓				Typha sp.		✓			
Pinus elliotii		✓				Urochloa mutica (Brachiaria mutica)					
Pistia stratioides						*Utricularia gibba (U. biflora)					
Pluchea sp.				✓		*Utricularia floridana					
*Polygonum glabrum (densiflorum)						*Utricularia foliosa					
*Polygonum hydropiperoides						*Utricularia inflata					
*Polygonum punctatum						*Utricularia purpurea					
*Polygonum sp.						*Utricularia cornuta					
Pontederia cordata	✓	✓	✓	✓		*Utricularia radiata					
*Potamogeton diversifolius						Vallisneria americana	✓				
*Potamogeton illinoensis						*Websteria confervoides					
*Potamogeton pusillus						Wolffiella spp.					
*Potamogeton pectinatus						Woodwardia virginica		✓	✓		
Proserpinaca pectinata						Xyris sp.			✓		
						Zizania aquatica					
						Zizaniopsis milacea					
						<i>Nymphoides pectata</i>	✓	✓	✓		
						<i>Potamogeton</i>			✓		
						<i>Aster</i>			✓		