



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

April 2018

Data Qualified?

Yes / No

WIN Station Name: Lake Miccosukee

Date: 6/28/2018

WIN/ Field ID: G1WA0077

WBID: 971N

Latitude: 30.5795

County: Jefferson

ORG ID: 21FLWQA

Longitude: 83.9778

Receiving Body of Water: Woyd Creek Sink

RQ-2018- 06-25-21

Sampling Team Members						WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment				
Blake Spencer							X		X	X	☒ Sample Container	☐ Van Dorn	☐ Pole		
Mike Eckles						X		X			☐ Carboy	☒ Syringe			
											☐ Dipper	☐ Other			
											Depth Measured with <u>Secchi Disk</u>				
											Equipment ID				
											Collection Method				
											☐ Wading	☐ Canoe/Kayak			
											☐ From Shore	☐ Electric Motor			
											☐ Other	☒ Gasoline Motor			
Water Level: Dry/ Pooled/ Low / <u>Normal</u> / High / Flooded						Meter ID# <u>VSI EXO (TLH unit)</u>			Matrix: <u>Fresh</u> / Marine / DI						
Photos: Yes / <u>No</u>						Flow: No Flow / Intestinal / Flowing / <u>NA</u>			Tide: Rising/ Falling/ Slack/ <u>NA</u>			Tide Times: High <u>NA</u> Low <u>NA</u>			
Time Zone	Time	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPT)	Sp COND (umhos/cm)	Temp. (C°)					
EST	12:45	1.2	0.3	1.1	7.23	99.6	6.26	0.01	CM 25.7	37.421					
CEN									37.421	25.7					
Biological Samples Collected: None HA SCI RPS Algae ID LVS <u>LVI</u> Other: <u>Physchem</u>															
SBIO ID Numbers: SBIO-ID: <u>78688</u> HA-ID: RPS-ID: Macrophyte-ID: <u>11010</u> LIMS#: <u>2004000</u>															
Parameter Suite	Parameter Methods						Preservation	Lot#	Expiration	pH Check					
Preserved Nutrients	☒ W-NH3 / ☒ W-NO2NO3 / ☒ W-TKN / ☒ W-TOC / ☒ W-S-A-TP						☒ Ice ☒ H2SO4	SA8101020	04/11/2019	☒ <2					
Metals	☒ W-ICPMS ☒ W-ICP						☒ Ice ☒ HNO3	726170	9/18/18	☒ <2					
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 um Filter						☒ Ice	10827054							
Chlorophyll	☒ CHLSUITE-W						☒ Ice								
Physical/Aggregate (Fresh)	☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-CI-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						☒ Ice								
Molecular	☐ PCR-FILTER ☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-GULL2 ☐ PCR-GFD						☐ Ice								
Tracers	☐ W-E8321-DI ☐ W-E8321-MS						☐ Ice								
Pesticides	☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-E8321-DI ☐ W-PCL-SQ-R ☐ WE8321-MS ☐ W-CARB-AA						☐ Ice ☐ Other								

Notes:

Kit C
FW Bact.
LVI

Field/WIN ID ↓

Lake Miccosukee

G1WA0077

Signature:

Date:

Enter Field Parameters, Verify Station ID In LIMS DMT: 8/6/18

QC Station ID, Field Parameters In LIMS DMT: CM 8-10-18

Scan/Save Field Sheets (Initials/Date)

Migrate Data to WIN: (Initials/Date)

Verify Data In WIN: (Initials/Date)

SBI0: 29558 Macrophyte: 11010

DEP FORM FD 9000-27 LAKE VEGETATION INDEX FIELD SHEET

Waterbody: <u>Lake Miccosukee</u>				County: <u>Jefferson</u>				Date: <u>6/28/2018</u>			
Analyst: <u>Blake Spencer</u>				Signature: <u>[Signature]</u>				STORET: <u>GIWA0077</u>			
Except where noted as "sp." species level identification required. *Genera that may require lab verification*								Lake units sampled (circle one group):			
Plants in bold= FLEPPC invasive exotic.								1, 4, 7, 10 2, 5, 8, 11			
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.								<u>(3, 6, 9, 12)</u>			
SPECIES	3	6	9	12	Collected? (✓)	SPECIES	3	6	9	12	Collected? (✓)
Acer rubrum	X		X			Habenaria repens					
Alternanthera philoxeroides						Hydrilla verticillata		X	X		
Andropogon sp.						Hydrocotyle sp.	X	X	X	X	
Azolla filiculoides (A. caroliniana)						Hrdolea quadrivalis					
Baccharis sp.						Hygrophila polysperma					
Bacopa caroliniana						*Hypericum fasciculatum					
Bacopa monnieri						*Hypericum hypericoides					
Bidens laevis						*Hypericum myrtifolium					
Bidens mitis						Ilex cassine					
Blechnum serrulatum						Ipomoea aquatica					
Boehmeria cylindrica			X			Ipomoea sagittata					
Brasenia schreberi	X	X	X	X		Iris pseudacorus					
Cabomba caroliniana	D	X	X	C		Itea virginica					
Casuarina equisetifolia						Juncus effusus					
Centella asiatica						*Juncus marginatus					
Cephalanthus occidentalis	X	X	X	X		*Juncus megacephalus					
Ceratophyllum demersum	X	X				Juncus repens					
Chara sp.						*Juncus scirpoides					
Cladium jamaicense						Lachnanthes caroliniana	X	X	X		
Cliftonia monophylla						Leersia hexandra					
Colocasia esculenta						Landoltia punctata (Spirodela punctata)					
*Commelina						Lemna sp.	X		X		
Crinum americanum						Leucothoe racemosa (Eubotrys racemosa)					
*Cyperus alternifolius (C. involucratus)						Limnobium spongia	X	X	X	X	
Cyperus articulatus						Limnophila sessiliflora					
Cyperus haspan						Liquidamber styraciflua					
*Cyperus lecontei						*Ludwigia arcuata				X	
*Cyperus polystachyos						*Ludwigia leptocarpa	X	X	X	X	
*Cyperus odoratus				X		*Ludwigia linearis					
*Cyperus surinamensis						*Ludwigia octovalvis					
Cyrilla racemiflora						*Ludwigia peruviana					
Decodon verticillatus	X	X	X	X		*Ludwigia repens					
Diodia virginiana						*Ludwigia					
*Echinochloa crus-galli						Luziola fluitans (Hydrochloa carolinensis)	X	X	X	X	
*Echinochloa muricatum						Lycopus virginicus					
Echinochloa walteri				X		Lyonia lucida					
Eclipta prostrata (E. alba)						Magnolia virginiana					
Egeria densa						Mayaca fluviatilis					
Eichhornia crassipes	X	X	X	X		Melaleuca quinquenervia					
*Eleocharis baldwinii			X			Micranthemum glomeratum					
*Eleocharis						Micranthemum umbrosum					
Eleocharis cellulosa						Mikania scandens					
Eleocharis equisetoides						Mimosa pigra					
Eleocharis interstincta						Myrica cerifera					
*Eriocaulon compressum											
*Eriocaulon decangulare											
Eupatorium capillifolium	X		X								
*Fuirena											
Fuirena scirpoidea											
Gordonia lasianthus											

FORM FD 9000-27: LAKE VEGETATION INDEX FIELD SHEET

Site: Lake Miccosukee / G1WA0077

Date: 6/28/18

SPECIES	3	6	9	12	Collected? (✓)	SPECIES	3	6	9	12	Collected? (✓)
Myriophyllum aquaticum						Salix caroliniana	X		X		
*Myriophyllum heterophyllum						Salvinia minima			X		
*Myriophyllum laxum						Sambucus canadensis					
*Myriophyllum pinnatum						Sapium sebiferum					
Myriophyllum spicatum						Saururus cernuus					
*Najas filifolia						Schinus terebinthifolius					
*Najas guadalupensis						*Schoenoplectus californicus					
*Najas minor						*Schoenoplectus pungens					
Nelumbo lutea	X	X	X	X		*Schoenoplectus tabernaemontani (Scirpus validus)					
Nitella spp.						Scirpus cubensis (Oxycaryon cubense)	X		X		
Nuphar sp.	X	X	X	X		Scirpus cyperinus					
Nymphaea odorata	X	O	O	C		*Sesbania					
Nymphoides aquatica		X	X			Solidago sp.					
Nyssa sylvatica var. biflora						Sparganium americanum					
Orontium aquaticum						Spartina bakeri					
Osmunda cinnamomea						Spirodela polyrhiza					
Osmunda regalis						Taxodium sp.	X	X	X	X	
Panicum hemitomon	X	X	X	X		Thalia geniculata					
Panicum repens	X			X		Thelypteris palustris					
Paspalidium geminatum						Triadenum virginicum		X	X		
*Paspalum repens						Typha sp.				X	
Paspalum urvillei						Urochloa mutica (Brachiaria mutica)					
Peltandra sp.						*Utricularia gibba (U. biflora)	X	X			
Persea sp.						*Utricularia floridana	X	X	X	X	
Pennisetum purpureum						*Utricularia foliosa	X	X	X	X	
Phragmites australis						*Utricularia inflata					
Pinus elliotii						*Utricularia purpurea					
Pistia 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	X	X	X	X		Woodwardia virginica	X		X		
*Potamogeton diversifolius						Xyris sp.					
*Potamogeton illinoensis						Zizania aquatica					
*Potamogeton pusillus						Zizaniopsis milacea					
*Potamogeton pectinatus (Stuckenia pectinatus)											
Proserpinaca pectinata											
*Rhexia											
*Rhynchospora corniculata											
*Rhynchospora inundata											
Rhynchospora tracyi											
Ricciocarpus natans											
Sabal palmetto											
Sacciolepis striata											
*Sagittaria filiformis											
*Sagittaria graminea											
*Sagittaria isoetiformis											
Sagittaria lancifolia											
Sagittaria latifolia	X	X	X	X							

Macrophyte QC Report

STORET: G1WA0077

Visit ID: 78688

Macrophyte ID: 11010

LIMS ID: 2004000

Sample Date: 6/28/2018

Collector Name: Spencer, Blake

Identifier Name: Spencer, Blake

Macrophyte Sample Comments:

Taxa Name:	Rep 1	Rep 2	Rep 3	Rep 4	
<i>Acer rubrum</i>	P		P		✓
<i>Boehmeria cylindrica</i>			P		✓
<i>Brasenia schreberi</i>	P	P	P	P	✓
<i>Cabomba caroliniana</i>	D	P	P	C	✓
<i>Cephalanthus occidentalis</i>	P	P	P	P	✓
<i>Ceratophyllum demersum</i>	P	P			✓
<i>Cyperus odoratus</i>				P	✓
<i>Decodon verticillatus</i>	P	P	P	P	✓
<i>Echinochloa walteri</i>				P	✓
<i>Eichhornia crassipes</i>	P	P	P	P	✓
<i>Eleocharis baldwinii</i>			P		✓
<i>Eupatorium capillifolium</i>	P		P		✓
<i>Hydrilla verticillata</i>		P	P		✓
<i>Hydrocotyle</i>	P	P	P	P	✓
<i>Lachnanthes caroliniana</i>	P	P	P		✓
<i>Lemna</i>	P		P		✓
<i>Limnobium spongia</i>	P	P	P	P	✓
<i>Ludwigia arcuata</i>				P	✓
<i>Ludwigia leptocarpa</i>	P	P	P	P	✓
<i>Luziola fluitans</i>	P	P	P	P	✓
<i>Nelumbo lutea</i>	P	P	P	P	✓
<i>Nuphar</i>	P	P	P	P	✓
<i>Nymphaea odorata</i>	P	D	D	C	✓
<i>Nymphoides aquatica</i>		P	P		✓
<i>Panicum hemitomon</i>	P	P	P	P	✓
<i>Panicum repens</i>	P			P	✓
<i>Pontederia cordata</i>	P	P	P	P	✓
<i>Sagittaria latifolia</i>	P	P	P	P	✓
<i>Salix caroliniana</i>	P		P		✓
<i>Salvinia minima</i>			P		✓
<i>Scirpus cubensis</i>	P		P		✓
<i>Taxodium</i>	P	P	P	P	✓
<i>Triadenum virginicum</i>		P	P		✓

545

QC BY: CM 8-10-18

This data has not been fully approved at this time.

Macrophyte QC Report

Taxa Name:		Rep 1	Rep 2	Rep 3	Rep 4	
<i>Typha</i>	x				P	✓
<i>Utricularia floridana</i>	y	P	P	P	P	✓
<i>Utricularia foliosa</i>	x	P	P	P	P	✓
<i>Utricularia gibba</i>	x	P	P			✓
<i>Woodwardia virginica</i>	y	P		P		✓

X = Q66Y cm 8-10-18

This data has not been fully approved at this time.

Entered by: ~~SPB~~ 6/6/18

DEP FORM FD 9000-31: LAKE OBSERVATION FIELD SHEET

SAMPLE ID: 78688 MACROPHYTE ID: _____ LATITUDE: 30.5795
 COUNTY: Jefferson STORET #: 61WAC077 LONGITUDE: -93.9779
 DATE: 6/28/18 TIME: 12:45 PM SAMPLING AGENCY: FDEP
 SITE NAME: Lake Miccosukee WBID: 971N
 FIELD ID/NAME: 61WAC077 LAKE SIZE: _____ RQ: 2018-06-25-21

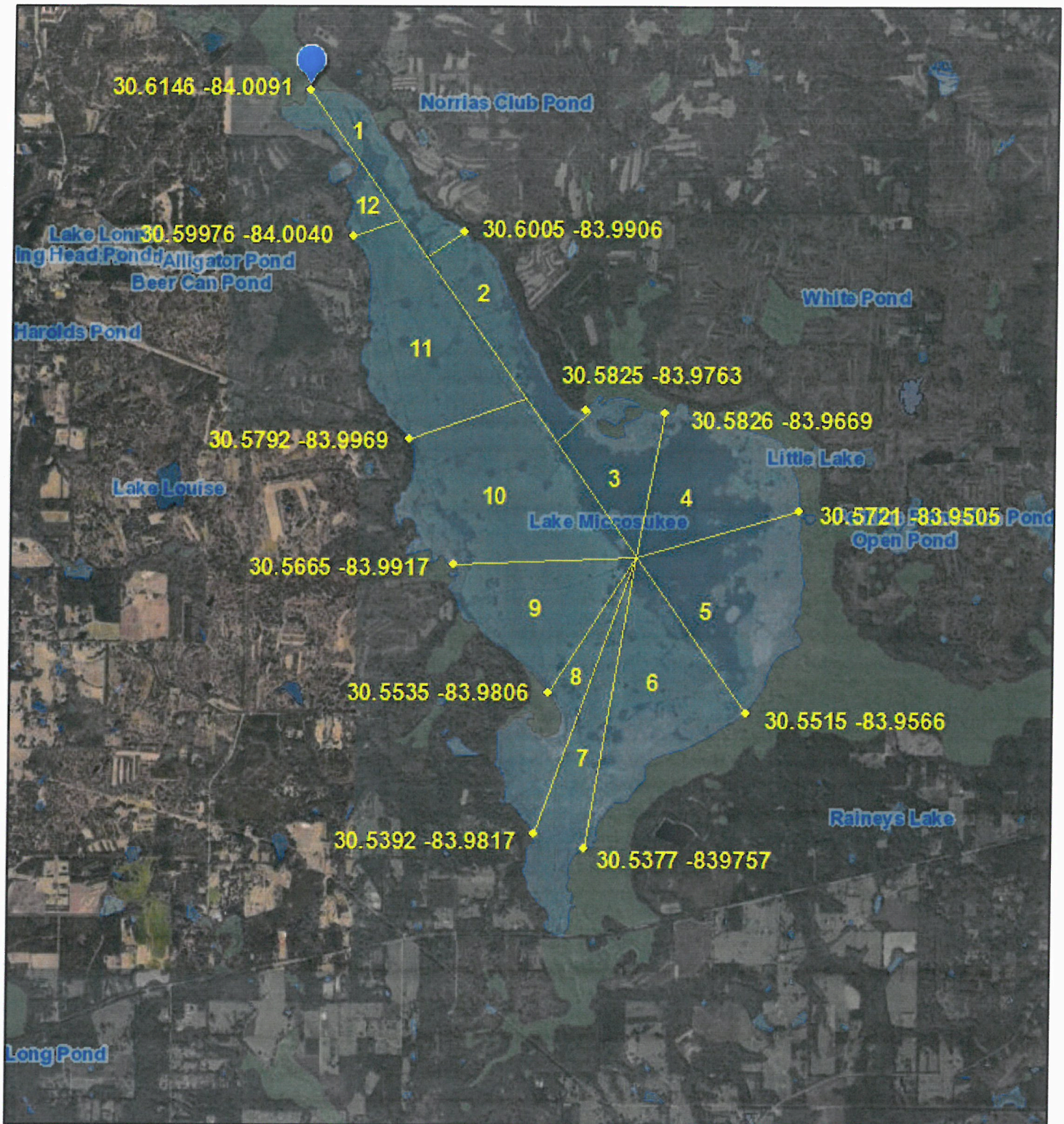
WATERSHED / LAKESIDE FEATURES

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)	LDI:													
								Land Use Source & Year:													
Local Watershed Erosion (select one) : ☐ None ☒ Slight ☐ Moderate ☐ Heavy										Artificially Impounded ☒ Yes ☐ No											
Local Watershed NPS Pollution : ☐ No evidence ☒ Slight ☐ Moderate ☐ Heavy																					
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										
<u>15</u>		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)										
<u>18</u>		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										
<u>16</u>		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>SA8101020</u> Exp. Date: <u>4/11/2019</u> Alkalinity Sample Taken? ☒ Yes ☐ No Water Level ☐ Low ☒ Normal ☐ High										Water Odors: ☒ Normal ☐ Sewage ☐ Petroleum ☐ Other _____									
Meter Readings: Top: <u>0.3</u> <u>37.421</u> <u>6.26</u> <u>7.23</u> <u>99.6</u> <u>25.7</u> <u>0.01</u> Mid-Depth: Bottom: Meter ID:										Water Surface Oils: ☒ None ☐ Sheen/Slick ☐ Glob ☐ Other _____									
Sediment Type: (may check more than one) ☐ Sandy ☒ Organic fibrous (peaty, CPOM) ☒ Vegetated ☐ Sand/Silt ☐ Organic smooth (muck) ☐ Other (Specify): _____										Clarity: ☒ Clear ☐ Opaque ☐ Turbid ☐ Slightly Turbid Color: ☐ Clear ☒ Tannic ☐ Green									
Biological Communities: LVI Conducted? ☒ Yes ☐ No Phytoplankton Sample Taken? ☐ Yes ☒ No Sample Preserved? ☐ Yes ☐ No Lot #: <u>NA</u> Exp Date: <u>NA</u> 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 ☒ ☐ ☐ ☐									
Sediment Odors: ☒ Normal ☐ Other (Specify): _____ ☐ Anaerobic										Additional Notes:									
Weather Conditions :																			
SAMPLING TEAM: <u>Blake Spencer & Mike Eckles</u>										SIGNATURE: <u>[Signature]</u>					DATE: <u>6/28/18</u>				

Lake Miccosukee

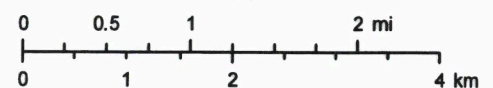


June 27, 2018

1:72,224

NHD 24K Waterbody

- LakePond
- Reservoir
- SwampMarsh



DEAR
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Map created by Map Direct, powered by ESRI.

assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights.

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 ID: YSI EXO

RQ- 2018-06-25-21
2018-05-28-12

Project: SMP

- Notes: (1) Always wait for meter to stabilize before recording any readings.
(2) Report all digits displayed. Do not round before reporting measurements. (See special instructions for depth).
(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

6/20/18

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.	Michael Eckles	6/28/18	8:15	22.4	8.51	8.50	99.8		1.053	P/F	L/F
ICV	Michael Eckles	6/28/18	18:28	23.5	7.49	8.49	99.9			P/F	L/F
CCV	Michael Eckles	6/28/18	15:45	27.78		7.81	99.4			P/F	L/F
CCV										P/F	L/F

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 mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Michael Eckles	6/28/18	8:20	180403H	4/19	1000	1000	P/F	L/F
ICV	Michael Eckles	6/28/18	8:22	7X02833	1/20	100	100.1	P/F	L/F
CCV	Michael Eckles	6/28/18	15:50	2602833	1/20	100	99.5	P/F	L/F
CCV								P/F	L/F

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.	Michael Eckles	6/28/18	8:25	171121H	6/19	7.0	7.0	-37.5	P/F	L/F
Calibr.	Michael Eckles	6/28/18	8:29	190116D	1/19	4.0	13.82	1382	P/F	L/F
Calibr.	Michael Eckles	6/28/18	8:30	180221E	9/19	10.0	10.0	2081	P/F	L/F
ICV	Michael Eckles	6/28/18	8:35	180221E	9/19	10.00	10.0	2081	P/F	L/F
CCV	Michael Eckles	6/28/18	15:10	180221E	9/19	4.0	4.05	1384	P/F	L/F
CCV									P/F	L/F

pH Acceptance criteria ± 0.2 SU;

mV pH 7 Range 0 ± 50 ;

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

mV pH 10 Range -180 ± 50 ;

If mV are recorded: slope from 7 to 10 _____, slope from 4 to 7 _____ (both must be between 165 and 180 mV)

Is meter equipped with depth sensor? Yes / No If yes, list date of last quarterly depth verification _____

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time CT-ET	Calibrated Value (0.00 or Offset), meters	ICV Value meters	Pass / Fail	Lab / Field
Pressure mode in air						P/F	L/F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS:

Florida Department of Environmental Protection

Central Laboratory Submittal Form

Lake Miccosukee LVI

last revised Jan 25, 2018

Customer: WAS-SECT

Requester: Curtis Musson

Field Report Prepared By: Blake Spencer

Project ID: SMP

Collected By: Blake Spencer & Mike Eckles

Sampling Agency: FDEP

Location		Field/WIN ID ↓  Lake Miccosukee		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 6/28/18 Time 1245	Eastern Central	Composite end Date Time	Bottle Group(s) (See pg 2)
Field ID		WIN/STORET # GIWA0077		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 79.6	☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L) —
Latitude 30.5795		Longitude -83.9728		Temp (C) 37.421	pH 6.26	Sample Depth 0.3	Sp. Conductance (umho/cm) 25.7	A
Latitude ☒ dd ☐ dms		Longitude ☒ dd ☐ dms		Salinity (ppt) 0.01	Comments			
Location		Field ID		☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time	Eastern Central	Composite end Date Time	Bottle Group(s)
WIN/STORET #		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Temp (C)	pH	Sample Depth ☐ ft ☐ m	Sp. Conductance (umho/cm)	
Salinity (ppt)		Comments						
Location		Field ID		☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time	Eastern Central	Composite end Date Time	Bottle Group(s)
WIN/STORET #		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Temp (C)	pH	Sample Depth ☐ ft ☐ m	Sp. Conductance (umho/cm)	
Salinity (ppt)		Comments						
Location		Field ID		☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time	Eastern Central	Composite end Date Time	Bottle Group(s)
WIN/STORET #		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
Latitude ☐ dd ☐ dms		Longitude ☐ dd ☐ dms		Temp (C)	pH	Sample Depth ☐ ft ☐ m	Sp. Conductance (umho/cm)	
Salinity (ppt)		Comments						

Relinquished By: Blake Spencer	Date/Time 6/28/18 1532	Shipping Method Hand Delivered	Number of Coolers Shipped: 1	Received By: 	Date/Time 6/28/18 1533
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Group: A Bottle Type: P-1L # of Bottles: 1 Preservative: ICE Enter Number of Bottles Sent to Lab _____ / _____

ALKALINITY
TURBIDITY
W-CL-IC
W-COLOR
W-F
W-SO4-IC
W-TDS
W-TSS

Group: A Bottle Type: BP-1L # of Bottles: 1 Preservative: ICE Enter Number of Bottles Sent to Lab _____ / _____

CHLSUITE-W

Group: A Bottle Type: P-250ML-WO-THI # of Bottles: 1 Preservative: ICE Enter Number of Bottles Sent to Lab _____ / _____

ECOLI-18QT

Group: A Bottle Type: P-500ML # of Bottles: 1 Preservative: HNO3 Enter Number of Bottles Sent to Lab _____ / _____

W-ICP
W-ICPMS

Lot #: NA 7261120 Exp. 9/18/18

Group: A Bottle Type: P-500ML # of Bottles: 1 Preservative: ICE And H2SO4 Enter Number of Bottles Sent to Lab _____ / _____

W-NH3
W-NO2NO3
W-S-A-TP
W-TKN
W-TOC

Lot #: 518101020 Exp. 4/11/19

Group: A Bottle Type: P-125ML # of Bottles: 1 Preservative: FILTER-ICE Enter Number of Bottles Sent to Lab _____ / _____

W-PO4-F

Lot #: 10827054

Cooler Packing Worksheet for Request: RQ-2018-06-25-21

Lake Miccosukee LVI

Ship Cooler On: 6/21/2018

Customer/Project: WAS-SECT/SMP

Assigned To: RODRIGUE_G

Requester: Curtis Musson

Priority: 3

850-245-8453

2600 Blair Stone Rd

Tallahassee, FL 32399

Attn: Curtis Musson

Please return
packing list with
sample submittal
forms.

Comments:

No preservatives needed.

Group A: Freshwater Nutrients, Metals, E. coli

No FedEx Label

No Trash Bag

Requested Analyses:

Bottle Group: A

of Sites: 1

Container ID: P-1L

Qty: 1 Preservation: ICE

Lot # 00070298

Description: Plastic Bottle 1L

Analysis

ALKALINITY

TURBIDITY

W-CL-IC

W-COLOR

W-F

W-SO4-IC

W-TDS

W-TSS

Description

Alkalinity in aqueous matrices as mg CaCO₃/L

Turbidity in aqueous matrices

Chloride in aqueous matrices

True Color measured at 450 nm

Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)

Sulfate in aqueous matrices

Total Dissolved Solids in aqueous matrices

Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample

Container ID: BP-1L

Qty: 1 Preservation: ICE

Lot # 122623

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry

Container ID: P-250ML-WO-THI

Qty: 1 Preservation: ICE

Lot # 00065080

Description:

Analysis

ECOLI-18QT

Description

Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems

Container ID: P-500ML

Qty: 1 Preservation: HNO3

Lot # 00071230

Description: Plastic Bottle 500 mL

Affix RED nitric acid dot to container.

Analysis

W-ICP

W-ICPMS

Description

Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects

Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

Container ID: P-500ML

Qty: 1 Preservation: ICE And H2SO4

Lot # 00071230

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

Analysis

W-NH3

W-NO2NO3

W-S-A-TP

W-TKN

W-TOC

Description

Ammonia in aqueous matrices as mg N/L

Nitrite/Nitrate in aqueous matrices as mg N/L

Total Phosphorus in aqueous matrices as mg P/L

Total Kjeldahl Nitrogen in aqueous matrices

Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-125ML

Qty: 1 Preservation: FILTER-ICE

Lot # 00069732

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Cooler Packed By: CR Number of Coolers: 1 Date: 6/18/18

Kit must also include:

- ☒ Field Sheets
- ☒ Temperature Control Bottle
- ☒ FedEx Bills, if applicable
- ☒ Plastic Bags/Zip Ties
- ☒ Acid Labels (sets of 24)

If Preservation Included:

ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____

PLEASE RETURN ALL COOLERS FOR RQ-2018-06-25-21