



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

March 2017

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Data Qualified?

Yes / No

Location/STORET Station Name: Little Lake Harris @ Center

Date: 8/17/17
(mm/dd/yyyy)

STORET # G1CE0068

WBID: 2838B

Latitude: 28.72375

County: Lake

RQ-2017-08-14-49

ORG ID: 2IFLEN

Longitude: -81.75546
(Decimal Degrees)

Receiving Body of Water:

Field ID: G1CE0068
(Decimal Degrees)

Sampling Team Members

Jenny Ripplan
Katie Williams

WQ Measurements
Sample Collection
Documentation
Preservation
Preservation Check

Sampling Equipment

☒ Sample Container ☐ Van Dorn ☐ Pole
☐ Carboy ☒ Syringe
☐ Dipper ☐ Other

Equipment ID

Collection Method

☐ Wading ☐ From Shore ☐ Other (note below)
☐ Via Boat
☐ Canoe/Kayak
☐ Electric Motor
☒ Gasoline Motor

Water Level: Dry / Pooled / Low / Normal / High / Flooded

Meter ID# Bathy 67

Photos: Yes / No

Matrix: Fresh / Marine / DI

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 (umhos/cm)	Temp. (C°)
<u>EST</u>	<u>1150</u>	<u>0.3</u>	<u>2.8</u>	<u>8.1</u>	<u>111</u>	<u>8.4</u>	<u>0.14</u>	<u>0.4</u>	<u>291</u>	<u>32.0</u>
<u>CEN</u>		<u>2.3</u>		<u>7.8</u>	<u>104</u>	<u>8.3</u>	<u>0.14</u>		<u>291</u>	<u>30.4</u>

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

SBIO ID Numbers: SBIO-ID: 77882 RPS-ID: n/a Macrophyte-ID: 10658 LIMS#: 19216716

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 um 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-Q:DC	☐ 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 ☐ W-PCL-SQ-R ☐ W-UHERB-AA ☐ W-GLYPH ☐ W-SUC-AA-R	☐ Ice ☐ Other			

Contains
1:1
Sulfuric Acid
SA-7093010
EXP: 04/03/18
Warning!
See SDS

Notes:

Little Lake Harris @
Center

RQ-2017-08-14-49

Date: 08/17/2017

Date:

8/17/17

Signature:

K Williams

Field Parameters Entered into LIMS: KWW 8/29/17
(Initials/Date)

Date Migrated to STORET: KWW 8/29/17
(Initials/Date)

Field Parameters QC in LIMS: KWW 8/29/17
(Initials/Date)

Field Sheets Scanned/Saved: KWW 8/29/17
(Initials/Date)

G1CE0068
G1CE0068
Field ID
STORET
G1CE0068

DEP FORM FD 9000-31: LAKE OBSERVATION FIELD SHEET

SAMPLE ID: _____ MACROPHYTE ID: _____ LATITUDE: 28.72375
COUNTY: Lake STORET #: 61CE0068 LONGITUDE: -81.75544
DATE: 8/17/17 TIME: _____ SAMPLING AGENCY: _____
SITE NAME: Little Lake Harris WBID: 28385
FIELD ID/NAME: _____ LAKE SIZE: Large RQ: 2017-08-14-49

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 <u>20</u> Residential <u>40</u> Commercial _____ Industrial _____ Other (Specify) _____				LANDSCAPE DEVELOPMENT INTENSITY (100 m buffer) 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 <u>9</u>		Stormwater enters system via sheet flow over non-cultivated and/or natural vegetation 20 19 18 17 16		Some direct stormwater inputs (ditches, pipes, cultivated vegetation < 10%) but good BMPs in place 15 14 13 12 11		Moderate direct inputs of stormwater (ditches, pipes, cultivated vegetation 11%-50%) but few BMPs in place 10 9 8 7 6		Much direct input of stormwater (ditches, pipes, cultivated vegetation > 51%) and no or ineffective BMPs in place 5 4 3 2 1	
LAKESIDE ALTERATIONS <u>12</u>		Very few man-made structures, roads, or other disturbance adjacent to lake (<10% lakeside affected) 20 19 18 17 16		Moderate disturbance visible - structures, roads or other (10%-49% lakeside affected) 15 14 13 12 11		Many structures, roads or other human disturbance visible (50%-70% lakeside affected) 10 9 8 7 6		Highly developed or disturbed (>70% of lakeside affected) 5 4 3 2 1	
BUFFER ZONE <u>10</u>		Expected native vegetation between uplands and littoral zone, greater than 90% of shore with >18 m buffer 20 19 18 17 16		89%-51% of shoreline with >18m buffer or >75% with 10m to 18m buffer 15 14 13 12 11		50%-30% of shoreline with >18m buffer or 50%-74% with 10m to 18m buffer 10 9 8 7 6		< 29% of shoreline with >18m buffer 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 # _____ 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) <u>0.3</u> Temp. (°C) <u>32.0</u> pH (SU) <u>8.4</u> D.O. (MG/L) <u>8.1</u> D.O. Sat. (%) <u>111</u> Cond. (UMHO/CM) <u>291</u> Salinity (PPT) <u>0.14</u> Mid-Depth: _____ Bottom: <u>2.3</u> <u>30.4</u> <u>8.3</u> <u>7.8</u> <u>104</u> <u>291</u> <u>0.14</u>						Clarity: ☐ Clear ☒ Turbid ☐ Slightly Turbid Color: ☐ Clear ☒ Tannic ☐ Green					
Meter ID: _____						SECCHI (M) <u>0.6</u> Total Station Depth (M) <u>2.8</u> VOB _____					
Sediment Type: (may check more than one) ☐ Sandy ☒ Organic fibrous (peaty, CPOM) ☒ Vegetated ☐ Sand/Silt ☐ Organic smooth (muck) ☐ Other (Specify): _____						Sediment Odors: ☒ Normal ☐ Other (Specify): _____ ☒ Anaerobic					
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>hot, sunny, no breeze</u>						Additional Notes:					
SAMPLING TEAM: <u>KMW, TR</u>						SIGNATURE: <u>[Signature]</u>					
DATE: <u>8/17/17</u>											

FORM FD 9000-27: LAKE VEGETATION INDEX FIELD SHEET

Site:					Date:					
SPECIES	2	5	8	11	Collected? (✓)	SPECIES				Collected? (✓)
Myriophyllum aquaticum						Salix caroliniana	/	/	/	
*Myriophyllum heterophyllum						Salvinia minima	/	/	/	
*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						*Schoenoplectus tabernaemontani (Scirpus validus)				
Nitella spp.						Scirpus cubensis (Oxycaryon cubense)				
Nuphar sp.	/	/	/	/		Scirpus cyperinus				
Nymphaea mexicana						*Sesbania				
Nymphaea odorata	/	/	/	/		Solidago sp.				
Nymphoides aquatica	/	/	/	/		Sparganium americanum				
Nyssa sylvatica var. biflora	/	/	/	/		Spartina bakeri				
Orontium aquaticum						Spirodela polyrhiza				
Osmunda cinnamomea						Taxodium sp.	/	/	/	
Osmunda regalis	/	/	/	/		Thalia geniculata				
Panicum hemitomon	/	/	/	/		Thelypteris interrupta				
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 foliosa				
Pennisetum purpureum						*Utricularia inflata	/	/	/	
Phragmites australis	/	/	/	/		*Utricularia purpurea				
Pinus elliotii						*Utricularia radiata				
Pistia stratioides						*Utricularia resupinata				
Pluchea sp.						Vallisneria americana	/	/	/	
*Polygonum glabrum (densiflorum)						Vitis sp.				
Polygonum hirsutum						*Websteria confervoides				
*Polygonum hydropiperoides						Wedelia trilobata (Sphagneticola trilobata)				
*Polygonum punctatum						Wolffiella spp.				
*Polygonum						Woodwardia virginica				
Pontederia cordata	/	/	/	/		Xyris sp.				
*Potamogeton diversifolius						Zizania aquatica				
*Potamogeton illinoensis						Zizaniopsis milacea				
*Potamogeton pusillus						<i>Kosteletzkya</i>	/	/	/	
*Potamogeton pectinatus (Stuckenia pectinatus)						<i>Casuarina aquatica</i>	/	/	/	
Proserpinaca pectinata						<i>Campylopus</i>	/	/	/	
*Rhexia										
*Rhynchospora corniculata										
*Rhynchospora inundata										
Rhynchospora nitens										
Ricciocarpus natans										
Sabal palmetto										
Sacciolepis striata										
*Sagittaria filiformis										
*Sagittaria graminea										
*Sagittaria isoetiformis										
Sagittaria lancifolia	/	/	/	/						
Sagittaria latifolia										

Waterbody: <u>Little Lake Harris</u>		County: <u>Lake</u>		Date: <u>8/17/17</u>							
Analyst: <u>KMW, TR</u>		Signature: _____		STORET: <u>GICE0068</u>							
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					Collected? (✓)
Acer rubrum	/	/	/	/		Fraxinus	/	/	/		
Alternanthera philoxeroides						Fuirena scirpoides					
Amaranthus australis						Gordonia lasianthus					
Andropogon sp.						Habenaria repens					
Azolla filiculoides (A. caroliniana)						Hibiscus coccineus					
Baccharis sp.						Hibiscus grandiflora					
Bacopa caroliniana						Hydrilla verticillata	/	/	/		
Bacopa monnieri						Hydrocotyle sp.					
Bidens alba						Hygrophila polysperma					
Bidens laevis						Hymenocallis sp.					
Bidens mitis						*Hypericum fasciculatum					
Blechnum serrulatum						*Hypericum hypericoides					
Boehmeria cylindrica						*Hypericum myrtifolium					
Brasenia schreberi						Ilex cassine	/	/	/		
Cabomba caroliniana		/				Ipomoea aquatica					
Canna						Ipomoea sagittata					
Centella asiatica						Itea virginica					
Cephalanthus occidentalis	/	/	/	/		Juncus effusus					
Ceratophyllum demersum	/	/	/	/		*Juncus marginatus					
Chara sp.						*Juncus megacephalus					
Cicuta maculata						Juncus repens					
Cinnamomum camphora						*Juncus scirpoides					
Cladium jamaicense	/	/	/	/		Lachnanthes caroliniana					
Colocasia esculenta	/	/	/	/		Leersia hexandra					
*Commelina						Landoltia punctata (Spirodela punctata)	/				
Crinum americanum						Lemna sp.					
* Cyperus alternifolius (C. involucratus)						Leucothoe racemosa (Eubotrys racemosa)					
Cyperus articulatus						Limnium spongia					
Cyperus haspan						Limnophila sessiliflora					
*Cyperus lecontei						Liquidambar styraciflua					
*Cyperus polystachyos						*Ludwigia arcuata					
*Cyperus odoratus						*Ludwigia grandiflora					
*Cyperus surinamensis						*Ludwigia hexapetala					
Cyrtilla racemiflora						*Ludwigia leptocarpa					
Decodon verticillatus						Ludwigia (native)					
Diodia virginiana						*Ludwigia octovalvis		/	/		
*Echinochloa crus-galli						*Ludwigia peruviana	/	/	/		
*Echinochloa muricatum						*Ludwigia repens					
Echinochloa walteri						Ludwigia suffruticosa					
Eclipta prostrata (E. alba)						Luziola fluitans (Hydrochloa carolinensis)					
Eichhornia crassipes						Magnolia virginiana	/	/	/		
*Eleocharis						Mayaca fluviatilis					
Eleocharis cellulosa						Melaleuca quinquenervia					
*Eleocharis elongata						Micranthemum glomeratum					
Eleocharis equisetoides						Micranthemum umbrosum					
Eleocharis interstincta						Mikania scandens		/	/		
Eleocharis submersed viviparous						Mimosa pigra	/	/	/		
*Eriocaulon compressum						Myrica cerifera	/	/	/		
*Eriocaulon decangulare											
Eupatorium capillifolium	/										

Little Lake Harris 2838B



