



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
PHYSICAL-CHEMICAL CHARACTERIZATION FIELD FORM

VISIT ID:
80052

Survey/Project: Reference Lakes

STORET Station Name: Lost Lake Act
(Use label if available)

County: Leon

STORET Station ID: LEOLLA 1

WBID: 1006

Latitude: 30.363995

Date: 7/18/19 Time: 1145
(mm/dd/yyyy) (EST) CST

RQ: 2019-07-15-41 Longitude: -84.381947
(Decimal Degrees)

Receiving Waters: N/A

ORG Code/Agency ID: 21FLWQSP

Sample Depth (m)	pH	Temp. (C°)	DO (mg/L)	DO (%SAT)	Sp COND (µmhos/cm)	Salinity (ppt)	Secchi Disk (m)	Total Depth (m)	Data Qualified (Y/N)
Top	5.15	32.4	4.82	66.6	15		4.0 5 (VIB)	4.0	
Mid	5.05	31.9	5.24	70.9	14.8				
Bottom	5.03	31.8	4.13	56.1	15.3				

Meter ID# YSI 154186 Photos: Yes / No Tide: High / Low / Ebb

Sampling Team Members

Joy Jackson
NIA Wellendorf

WQ Measurements

Sample Collection

Documentation

Preservation

Preservation Check

Sampling Equipment

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

Equipment ID

Collection Method

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

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

System Type: Stream / Lake / Wetland / Estuary / Other

Biological Samples Collected: None HA SCI LVS RPS LVI Other

Hydrologic Modification (per FT 3101): 1-2 (Best) / 3-4 (Slight) / 4-5 (Moderate) / 7-8 (Poor) / 9-10 (Very Poor)

Canopy Cover: Open (<5%) / Lightly Shaded (11-45%) / Moderately Shaded (46-80%) / Heavily Shaded (>80%)

Parameter Suite	Parameter Methods (check, circle or write in)	Preservation	Acid Lot#	Expiration	pH Check
Preserved Nutrients	☒ NH4 ☒ NO2NO3 ☒ TKN / TOC / <u>TP</u> ☒ PO4 ☒ Field Filtered 0.45 µm Filter	☒ Ice ☒ H2SO4	<u>101232</u>	<u>10/13/19</u>	☒ <2
Metals	☒ CPMS ☒ MCP <u>No Acid</u>	☒ Ice ☒ HNO2	<u>101246</u>	<u>8/20/20</u>	☒ <2
Chlorophyll	☒ CHLOROPHYLL	☒ Ice	Place Preservative Label(s) Here (if available)		
Physical/Aggregate	☒ Alkalinity ☒ TSS / TURBIDITY ☒ CI ☒ COLOR ☒ SO4 / TDS	☒ Ice			
Macroinvertebrates	☐ SCI OTHER:	☐ Formalin			
Microbiology	☐ E Coli ☐ F Coli ☐ Entero ☐ QPCR	☐ Ice			
Periphyton	☒ ALGAL ID <u>NO</u> OTHER: <u>ALGAL ID in bag</u>	☒ Ice			
Other	<u>Phytoplankton</u>	☒ Ice ☐ Other			

Notes & Observations: (weather, watershed disturbance, erosion, sediment of water odors, etc.)

lots of periphyton, some are diatom clumps, but some are large red globs of filaments, mixed w/ Utricularia divarica

Print Name: Joy Jackson, NIA Wellendorf

Signature: NIA Wellendorf

Date: 7/18/19

Field Sheets Scanned/Saved: 8/5/2019 SN
(Initials/Date)

Field Parameters Entered into SBIO: 8/5/2019 SN
(Initials/Date)

Date Migrated to STORET: _____
(Initials/Date)

LIMS ID 2104526

Macro ID: 11438

Form FD9000-27 Lake Vegetation Index Data Sheet (06-21-11)

Waterbody: Last Lake AHCounty: IdahoDate: 7/19/19Analyst: N. Wellendorf, J. JacksonSignature: Nicole WellendorfSTORET: LEOLLA1

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 2, 5, 8, 11

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	3	6	9	12	Collected? (✓)	SPECIES	3	6	9	10	Collected? (✓)
Acer rubrum						Habenaria repens					
Alternanthera philoxeroides						Hydrilla verticillata					
Andropogon sp.			✓	✓		Hydrocotyle sp.					
Azolla filiculoides (A. caroliniana)						Hygrophila polysperma					
Baccharis sp.						*Hypericum fasciculatum	✓	✓	✓	✓	
Bacopa caroliniana						*Hypericum hypericoides					
Bacopa monnieri						*Hypericum myrtifolium					
Bidens laevis						Ilex cassine					
Bidens mitis						Ipomoea aquatica					
Blechnum serrulatum						Ipomoea sagittata					
Boehmeria cylindrica						Itea virginica					
Brasenia schreberi						Juncus effusus					
Cabomba caroliniana						*Juncus marginatus					
Casuarina equisetifolia						*Juncus megacephalus					
Centella asiatica						Juncus repens <i>sp. Not native</i>	✓	✓	✓	✓	✓
Cephalanthus occidentalis						*Juncus scirpoides					
Ceratophyllum demersum						Lachnanthes caroliniana					
Chara sp.						Leersia hexandra					
Cladium jamaicense						Landoltia punctata (Spirodela punctata)					
Cliftonia monophylla						Lemna sp.					
Colocasia esculenta						Leucothoe racemosa (Eubotrys racemosa)					
*Commelina						Limnium spongia					
Crinum americanum						Limnophila sessiliflora					
*Cyperus alternifolius (C. involucratus)						Liquidambar styraciflua					
Cyperus articulatus						*Ludwigia arcuata					
Cyperus haspan						*Ludwigia leptocarpa					
*Cyperus lecontei						*Ludwigia linearis					
*Cyperus polystachyos						*Ludwigia octovalvis					
*Cyperus odoratus						*Ludwigia peruviana					
*Cyperus surinamensis						*Ludwigia repens					
Cyrtilla racemiflora						*Ludwigia <i>no fruits, Native</i>	✓	✓	✓	✓	
Decodon verticillatus						Luziola fluitans (Hydrochloa carolinensis)					
Diodia virginiana						Lyonia lucida					
*Echinochloa crus-galli						Magnolia virginiana					
*Echinochloa muricatum						Mayaca fluviatilis					
Echinochloa walteri						Melaleuca quinquenervia					
Eclipta prostrata (E. alba)						Micranthemum glomeratum					
Egeria densa						Micranthemum umbrosum					
Eichhornia crassipes						Mikania scandens					
*Eleocharis baldwinii						Mimosa pigra					
*Eleocharis <i>elongata</i>						Myrica cerifera					
Eleocharis cellulosa											
Eleocharis equisetoides											
Eleocharis <i>interstincta</i> <i>Robinsii</i>											
*Eriocaulon <i>compressum</i> <i>sp.</i>											
*Eriocaulon decangulare											
Eupatorium capillifolium											
*Fuirena											
Fuirena scirpoidea											
Gordonia lasianthus											

Too early for Ludwigia to bloom, & some Juncus

Site:

Date:

SPECIES		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 odorata			*Sesbania		
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		
Pistia stratioides			*Utricularia comata <i>olivacea</i>	✓	✓
Pluchea sp.			*Utricularia radiata <i>resupinata</i>	✓	✓
*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)					
Proserpinaca pectinata					
*Rhexia <i>mariana</i>		✓			
*Rhynchospora <i>conicoides</i> sp 2		✓			
*Rhynchospora <i>undulata</i> sp 1	✓	✓			
Rhynchospora tracyi					
Ricciocarpus natans					
Sabal palmetto					
Sacciolepis striata					
*Sagittaria filiformis					
*Sagittaria graminea					
*Sagittaria isoetiformis	✓				
Sagittaria lancifolia					
Sagittaria latifolia					

Florida Department of Environmental Protection

Central Laboratory Submittal Form

Customer: BSSP

Requester: Sarah Panek

Field Report Prepared By: J. Jansen

Project ID: LAKESREF

Collected By: FDEP / AEA

Sampling Agency: FDEP / AEA

Location		Lost Lake ALTERNATE		☐ Comp		Collection (comp begin or grab)		☒ Grab		Date 7-18-19		Time 145		☒ Eastern		Composite end		Date		Time		Bottle Group(s)	
Field ID				Matrix (type, e.g., Salt, Fresh, etc)				Diss. Oxygen		4.82 / 66.6		☒ % sat		Total Res. Chlorine								(See pg 2)	
WIN/STORET #		LEOLAK1		Temp (C)		32.4		pH		5.15		Sample Depth		0.2		☒ m		Sp. Conductance (umho/cm)		15		A	
Latitude		☐ dd ☐ dms		Longitude		☐ dd ☐ dms		Salinity (ppt)				Comments											
Location		AUF UNPAVED SWALE LAKE		☐ Comp		Collection (comp begin or grab)		☐ Grab		Date 7-18-19		Time 1420		☒ Eastern		Composite end		Date		Time		Bottle Group(s)	
Field ID				Matrix (type, e.g., Salt, Fresh, etc)				Diss. Oxygen		5.77 / 80.2		☒ % sat		Total Res. Chlorine								A	
WIN/STORET #		21071		Temp (C)		32.9		pH		4.58		Sample Depth		0.2		☒ m		Sp. Conductance (umho/cm)		17.1			
Latitude		☐ dd ☐ dms		Longitude		☐ dd ☐ dms		Salinity (ppt)				Comments		NO P04 SUBMITTED / SUBMITTED / AUF ID SUBMITTED									
Location				☐ Comp		Collection (comp begin or grab)		☐ Grab		Date		Time		☒ Eastern		Composite end		Date		Time		Bottle Group(s)	
Field ID				Matrix (type, e.g., Salt, Fresh, etc)				Diss. Oxygen				Sample Depth				☐ ft ☐ m		Sp. Conductance (umho/cm)					
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Location				☐ Comp		Collection (comp begin or grab)		☐ Grab															

Group: A	Bottle Type: ALKALINITY W-CL-IC W-COLOR W-F W-SO4-IC	P-500ML	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
Group: A	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
Group: A	Bottle Type: DTY-QN-C PKD-QN-C	BP-1L	# of Bottles: 2	Preservative:	Lugols	Enter Number of Bottles Sent to Lab	2
Group: A	Bottle Type: W-ICP W-ICPMS	P-500ML	# of Bottles: 2	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	2
Group: A	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN	P-500ML	# of Bottles: 2	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	2
Group: A	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 2	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	1