

DEP FORM FD 9000-31: LAKE OBSERVATION FIELD SHEET

SAMPLE ID: _____ **MACROPHYTE ID:** _____ **LATITUDE:** 30° 21' 50.383"
COUNTY: Leon **STORET #:** LEOLLA1 **LONGITUDE:** -84° 22' 58.0076
DATE: 9/14/2021 **TIME:** 1300 **SAMPLING AGENCY:** FDEP-AEQAS
SITE NAME: Lost Lake Alternate **WBID:** 1006
FIELD ID/NAME: LOSTLKALT **LAKE SIZE:** 4.3 acres **RQ:** 2021-09-13-13

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)														
<u>40</u>	<u>600</u>																				
Local Watershed Erosion (select one): ☒ None ☐ Slight ☐ Moderate ☐ Heavy										Artificially Impounded											
Local Watershed NPS Pollution: ☐ No evidence ☒ Slight ☐ Moderate ☐ Heavy										☐ Yes ☒ No											
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>18</u>		20	19	<u>18</u>	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>16</u>		20	19	18	17	<u>16</u>	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>20</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:										Water Odors:									
Nutrient Sample Taken? ☒ Yes ☐ No Preserved? ☐ Yes ☐ pH<2 ☐ No										☐ Sewage ☐ Petroleum ☐ Other _____									
Color Sample Taken? ☒ Yes ☐ No Lot # _____ Exp. Date: _____										Water Surface Oils: ☒ None									
Alkalinity Sample Taken? ☒ Yes ☐ No										☐ Sheen/Slick ☐ Glob ☐ Other _____									
Water Level ☐ Low ☒ Normal ☐ High										Clarity: ☐ Clear ☐ Opaque ☐ Turbid ☒ Slightly Turbid									
Color: ☒ Clear ☐ Tannic ☐ Green										SECCHI (M) <u>25</u> Total Station Depth (M) <u>2.7</u>									
VOB ☐																			
Meter Readings:										Sediment Odors:									
Depth (M)	Temp. (°C)	pH (SU)	D.O. (MG/L)	D.O. Sat. (%)	Cond. (UMHO/CM)	Salinity (PPT)				☐ Normal ☐ Other (Sp)									
Top:	<u>0.005</u>	<u>29.6</u>	<u>6.8</u>	<u>6.79</u>	<u>89.2</u>	<u>16.2</u>	<u>0.01</u>				☐ Norr ☐ Anal								
Mid-Depth:											Contains: Conc. H2SO4 Lot No.: SA1105060 Expires: 04/30/22 See Safety Data Sheet (SDS)								
Bottom:											Contains: 1:1 HNO3 Lot No.: NA1105100 Expires: 06/07/22 See Safety Data Sheet (SDS)								
Sediment Type: (may check more than one)										Sediment Odors:									
☐ Sandy ☐ Organic fibrous (peaty, CPOM) ☐ Vegetated										☐ Norr ☐ Anal									
☐ Sand/Silt ☐ Organic smooth (muck) ☐ Other (Specify): _____										☐ Norr ☐ Anal									
Biological Communities:										Abundance:									
LVI Conducted? ☒ Yes ☐ No										Absent Rare Common Abund									
Phytoplankton Sample Taken? ☒ Yes ☐ No										Periphyton ☐ ☒ ☐ ☐									
Sample Preserved? ☐ Yes ☐ No										Nuisance Plants ☒ ☐ ☐ ☐									
Lot #: _____ Exp Date: _____										Submersed Plants ☐ ☒ ☐ ☐									
Algal Bloom/Algal ID Sample Taken? Yes ☐ No ☒										Exotic Apple Snails ☒ ☐ ☐ ☐									
Active Vegetation Mgmt? ☐ Yes ☐ No ☐ Don't Know																			
Weather Conditions: <u>Cloudy, slightly windy</u>																			
SAMPLING TEAM: <u>A. O'Neal, C. Hammond</u>										SIGNATURE: <u>A. O'Neal</u>									
										DATE: <u>9/14/21</u>									

DEP FORM FD 9000-27 LAKE VEGETATION INDEX FIELD SHEET

Waterbody: <u>Lost Lake Alternate</u>		County: <u>Leon</u>		Date:									
Analyst: <u>A O Neal C. Hammond</u>		Signature: <u>Ashley Arnold</u>		STORET: <u>LEOLLA1</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): <u>1, 4, 7, 10</u> 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		1	4	7	10	Collected? (✓)	SPECIES		1	4	7	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						
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						
Cyrilla racemiflora							*Ludwigia						
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 <u>elongata</u>							Myrica cerifera						
Eleocharis cellulosa													

FORM FD 9000-27: LAKE VEGETATION INDEX FIELD SHEET

Site:					Date:						
SPECIES	1	4	7	10	Collected? (✓)	SPECIES	1	4	7	10	Collected? (✓)
Myriophyllum aquaticum						Salix caroliniana					
*Myriophyllum heterophyllum						Salvinia minima					
*Myriophyllum laxum						Sambucus canadensis					
*Myriophyllum pinnatum						Sapum 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 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)											
Proserpinaca pectinata											
*Rhexia salicifolia ^{AD}					✓	^{AD} Scleria (native)					✓
*Rhynchospora corniculata						Rhynchospora ^{AD} alters					✓
*Rhynchospora inundata						Scirpoides					
Rhynchospora tracyi											
Ricciocarpus natans											
Sabal palmetto											
Sacciolepis striata											
*Sagittaria filiformis											
*Sagittaria graminea											
*Sagittaria isoetiformis											
Sagittaria lancifolia											
Sagittaria latifolia											

Central Laboratory Submittal Form

Customer: BSSP

Requester: Jennifer, N. Piacente

Field Report Prepared By: A. O'Neal

Project ID: LAKESREF

Collected By: Ashley O'Neal

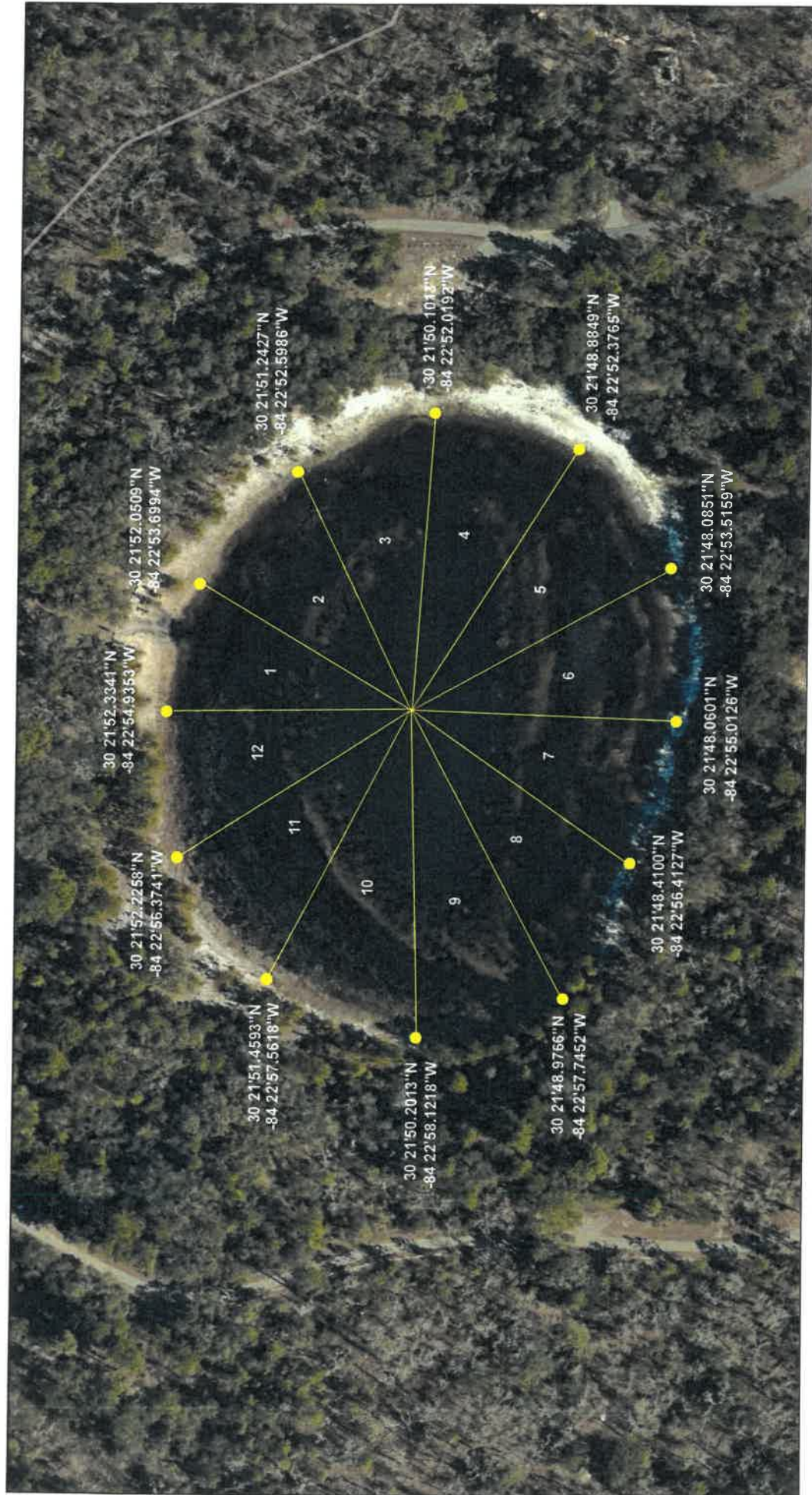
Sampling Agency: FDEP

Location	Lofton Pond										Bottle Group(s)			
Field ID											(See pg 2)			
WIN/STORET #														
Latitude	30° 35' 12.5"	dd	Longitude	-84° 38' 10.13"	dms	Collection (comp begin or grab)					Eastern	Central	Composite end	
		☒ dd			☐ dms	Date 9/14/21 Time 11:00					☒ mg/L	☒ % sat	Total Res. Chlorine (mg/L)	
		☐ dms			☐ dms	Matrix (type, e.g., Salt, Fresh, etc)					☒ ft	☒ m	Sp. Conductance (umho/cm)	12.8
		☐ dms			☐ dms	Temp (C) 29.2					pH			
		☐ dms			☐ dms	Salinity (ppt)					Comments			
Location	Lost Lake Alternate										Bottle Group(s)			
Field ID											(See pg 2)			
WIN/STORET #														
Latitude	30° 21' 50.383"	dd	Longitude	-84° 22' 58.007"	dms	Collection (comp begin or grab)					Eastern	Central	Composite end	
		☒ dd			☒ dms	Date 9/14/21 Time 1300					☒ mg/L	☒ % sat	Total Res. Chlorine (mg/L)	
		☐ dms			☐ dms	Matrix (type, e.g., Salt, Fresh, etc)					☒ ft	☒ m	Sp. Conductance (umho/cm)	16.2
		☐ dms			☐ dms	Temp (C) 29.6					pH			
		☐ dms			☐ dms	Salinity (ppt)					Comments			
Location											Bottle Group(s)			
Field ID											(See pg 2)			
WIN/STORET #														
Latitude		☐ dd	Longitude		☐ dms	Collection (comp begin or grab)					Eastern	Central	Composite end	
		☐ dms			☐ dms	Date					☐ mg/L	☐ % sat	Total Res. Chlorine (mg/L)	
		☐ dms			☐ dms	Matrix (type, e.g., Salt, Fresh, etc)					☐ ft	☐ m	Sp. Conductance (umho/cm)	
		☐ dms			☐ dms	Temp (C)					pH			
		☐ dms			☐ dms	Salinity (ppt)					Comments			
Location											Bottle Group(s)			
Field ID											(See pg 2)			
WIN/STORET #														
Latitude		☐ dd	Longitude		☐ dms	Collection (comp begin or grab)					Eastern	Central	Composite end	
		☐ dms			☐ dms	Date					☐ mg/L	☐ % sat	Total Res. Chlorine (mg/L)	
		☐ dms			☐ dms	Matrix (type, e.g., Salt, Fresh, etc)					☐ ft	☐ m	Sp. Conductance (umho/cm)	
		☐ dms			☐ dms	Temp (C)					pH			
		☐ dms			☐ dms	Salinity (ppt)					Comments			
Location											Bottle Group(s)			
Field ID											(See pg 2)			
WIN/STORET #														
Latitude		☐ dd	Longitude		☐ dms	Collection (comp begin or grab)					Eastern	Central	Composite end	
		☐ dms			☐ dms	Date					☐ mg/L	☐ % sat	Total Res. Chlorine (mg/L)	
		☐ dms			☐ dms	Matrix (type, e.g., Salt, Fresh, etc)					☐ ft	☐ m	Sp. Conductance (umho/cm)	
		☐ dms			☐ dms	Temp (C)					pH			
		☐ dms			☐ dms	Salinity (ppt)					Comments			

Relinquished By: Ashley O'Neal	Date/Time: 9/14/21 1354	Shipping Method: hand deliver	Number of Coolers Shipped:	Received By: [Signature]	Date/Time: 9-14-21 1454
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Lost Lake Alternate

Lost #2, WBID 1006 (Leon Co.)



August 20, 2018

Waterbody IDs (WBIDs)

- Group 1
- Group 2
- Group 3
- Group 4
- Group 5

1:1,128



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), Swastopo, OpenStreetMap contributors, and the GIS User Community FDEP/DEAR

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