

Place Preservative
(If Available)

Entered by: ~~6/14/18~~
QC'd by: Cm 6-21-18

SRIO: 79439 Macrophyte: 10951 DEP FORM FD 9000-27 LAKE VEGETATION INDEX FIELD SHEET

Waterbody: <u>Lower Dismal Lake</u>				County: <u>Leon</u>				Date: <u>6/12/18</u>			
Analyst: <u>B. Spencer + C. Musson</u>				Signature: <u>[Signature]</u>				STORET: <u>61WAO04D</u>			
Except where noted as "sp." species level identification required. *Genera that may require lab verification* 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.								Lake units sampled (circle one group): <u>1, 4, 7, 10</u> 2, 5, 8, 11 3, 6, 9, 12			
SPECIES	1	4	7	10	Collected? (✓)	SPECIES	1	4	7	10	Collected? (✓)
Acer rubrum						Habenaria repens					
Alternanthera philoxeroides	X	X	X			Hydrilla verticillata					
Andropogon sp.						Hydrocotyle sp.	X	X	X	X	
Azolla filiculoides (A. caroliniana)						Hrdolea quadrivalis			X	X	
Baccharis sp.	X					Hygrophila polysperma					
Bacopa caroliniana		X	X	X		*Hypericum fasciculatum				X	
Bacopa monnieri						*Hypericum hypericoides					
Bidens laevis						*Hypericum myrtifolium					
Bidens mitis				X		Ilex cassine					
Blechnum serrulatum						Ipomoea aquatica					
Boehmeria cylindrica	X	X	X			Ipomoea sagittata					
Brasenia schreberi						Iris pseudacorus					
Cabomba caroliniana						Itea virginica		X			
Casuarina equisetifolia						Juncus effusus				X	
Centella asiatica						*Juncus marginatus				X	
Cephalanthus occidentalis						*Juncus megacephalus					
Ceratophyllum demersum						Juncus repens					
Chara sp.						*Juncus scirpoides					
Cladium jamaicense						Lachnanthes caroliniana					
Cliftonia monophylla						Leersia hexandra					
Colocasia esculenta	X					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						Liquidamber styraciflua					
*Cyperus lecontei						*Ludwigia arcuata					
*Cyperus polystachyos						*Ludwigia leptocarpa					
*Cyperus odoratus				X		*Ludwigia linearis					
*Cyperus surinamensis						*Ludwigia octovalvis					
Cyrtilla racemiflora			X			*Ludwigia peruviana					
Decodon verticillatus						*Ludwigia repens					
Diodia virginiana						*Ludwigia					
*Echinochloa crus-galli						Luziola fluitans (Hydrochloa carolinensis)					
*Echinochloa muricatum						Lycopus virginicus					
Echinochloa walteri						Lyonia lucida					
Eclipta prostrata (E. alba)						Magnolia virginiana					
Egeria densa						Mayaca fluviatilis					
Eichhornia crassipes						Melaleuca quinquenervia					
*Eleocharis baldwinii	X	X	X	X		Micranthemum glomeratum		X	X	X	
*Eleocharis						Micranthemum umbrosum					
Eleocharis cellulosa						Mikania scandens	X				
Eleocharis equisetoides						Mimosa pigra					
Eleocharis interstincta						Myrica cerifera	X	X	X		
*Eriocaulon compressum						<u>Carex glauca</u>					
*Eriocaulon decangulare						<u>Lycopus virginicus</u>	X		X		
Eupatorium capillifolium											
*Fuirena						<u>Quercus niger</u>	X				
Fuirena scirpoidea											
Gordonia lasianthus						<u>Bidens alba</u>				X	

Site: Lower Diagon Lake						Date: 6/12/18					
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						Sapium sebiferum			X		
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		X	X	X		Thalia geniculata					
Panicum repens	X	X	X	X		Thelypteris palustris					
Paspalidium geminatum						Triadenum virginicum					
*Paspalum repens						Typha sp.					
Paspalum urvillei	X			X		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 mariana		X	X								
*Rhynchospora corniculata											
*Rhynchospora inundata											
Rhynchospora tracyi											
Ricciocarpus natans											
Sabal palmetto											
Sacciolepis striata											
*Sagittaria filiformis											
*Sagittaria graminea											
*Sagittaria isoetiformis											
Sagittaria lancifolia											
Sagittaria latifolia											

Macrophyte QC Report

STORET: G1WA0040

Visit ID: 78439

Macrophyte ID: 10951

LIMS ID: 1999989

Sample Date: 6/12/2018

Collector Name: Musson, Curtis

Identifier Name: Musson, Curtis

Macrophyte Sample Comments:

585

Taxa Name:	Rep 1	Rep 2	Rep 3	Rep 4
<i>Alternanthera philoxeroides</i> CM	P	P	P	
<i>Baccharis</i> CM	P			
<i>Bacopa caroliniana</i> CM		P	P	P
<i>Bidens alba</i> CM				P
<i>Bidens mitis</i> CM				P
<i>Boehmeria cylindrica</i> CM	P	P	P	
<i>Carex glaucescens</i> CM	P			
<i>Colocasia esculenta</i> CM	P			
<i>Cyperus odoratus</i> CM				P
<i>Cyrilla racemiflora</i> CM			C	
<i>Eleocharis baldwinii</i> CM	P	P	P	P
<i>Hydrocotyle</i> CM	P	P	P	P
<i>Hydrolea quadrivalvis</i> CM			P	P
<i>Hypericum fasciculatum</i> CM				P
<i>Itea virginica</i> CM			P	
<i>Juncus effusus</i> CM				P
<i>Juncus marginatus</i> CM				P
<i>Lycopus virginicus</i> CM	P		P	
<i>Micranthemum glomeratum</i> CM		P	P	P
<i>Mikania scandens</i> CM	P			
<i>Myrica cerifera</i> CM	C	P	C	
<i>Panicum hemitomon</i> CM		P	P	P
<i>Panicum repens</i> CM	C	D	P	D
<i>Paspalum urvillei</i> CM	P			P
<i>Quercus nigra</i> CM	P			
<i>Rhexia mariana</i> CM		P	P	
<i>Sapium sebiferum</i> CM			P	

Incorrect ID. Unknown SP.

QC: CM 6-21-18

Entered by: 602 6/14/18
QC: CM 6-21-18

DEP FORM FD 9000-31: LAKE OBSERVATION FIELD SHEET

SAMPLE ID: 78439 MACROPHYTE ID: _____ LATITUDE: 30.59355
COUNTY: Leon STORET #: GLWA0040 LONGITUDE: -84.23534
DATE: 6/12/18 TIME: 0930 SAMPLING AGENCY: FDEP 21FLWQA
SITE NAME: Lower Dianne Lake Middle WBID: 546A
FIELD ID/NAME: GLWA0040 LAKE SIZE: 66 acres RQ: 2018-06-11-29

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: <u>4.6</u>				
<u>34</u>	<u>10</u>	<u>Null</u>	<u>1</u>	<u>42</u>	<u>3</u>	<u>5</u>	<u>water</u>							
Local Watershed Erosion (select one) : ☐ None ☒ Slight ☐ Moderate ☐ Heavy										Artificially Impounded ☒ Yes ☐ No				
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						
<u>2</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>2</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>3</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 ☒ pH<2 ☐ No Color Sample Taken? ☒ Yes ☐ No Lot # <u>SA734/020</u> Exp. Date: <u>12/7/18</u> Alkalinity Sample Taken? ☒ Yes ☐ No Water Level ☐ Low ☒ Normal ☐ High										Water Odors: ☒ Normal ☐ Sewage ☐ Petroleum ☐ Other _____																																									
Meter Readings: <table border="1"> <thead> <tr> <th></th> <th>Depth (M)</th> <th>Temp. (°C)</th> <th>pH (SU)</th> <th>D.O. (MG/L)</th> <th>D.O. Sat. (%)</th> <th>Cond. (UMHO/CM)</th> <th>Salinity (PPT)</th> </tr> </thead> <tbody> <tr> <td>Top:</td> <td><u>0.3</u></td> <td><u>29.04</u></td> <td><u>8.25</u></td> <td><u>7.96</u></td> <td><u>103.5</u></td> <td><u>91</u></td> <td><u>0.04</u></td> </tr> <tr> <td>Mid-Depth:</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Bottom:</td> <td><u>2.4</u></td> <td><u>28.99</u></td> <td><u>8.25</u></td> <td><u>8.05</u></td> <td><u>104.8</u></td> <td><u>90</u></td> <td><u>0.04</u></td> </tr> </tbody> </table>											Depth (M)	Temp. (°C)	pH (SU)	D.O. (MG/L)	D.O. Sat. (%)	Cond. (UMHO/CM)	Salinity (PPT)	Top:	<u>0.3</u>	<u>29.04</u>	<u>8.25</u>	<u>7.96</u>	<u>103.5</u>	<u>91</u>	<u>0.04</u>	Mid-Depth:								Bottom:	<u>2.4</u>	<u>28.99</u>	<u>8.25</u>	<u>8.05</u>	<u>104.8</u>	<u>90</u>	<u>0.04</u>	Water Surface Oils: ☒ None ☐ Sheen/Slick ☐ Glob ☐ Other _____									
	Depth (M)	Temp. (°C)	pH (SU)	D.O. (MG/L)	D.O. Sat. (%)	Cond. (UMHO/CM)	Salinity (PPT)																																												
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Meter ID: _____										Clarity: ☐ Clear ☒ Opaque ☐ Turbid ☐ Slightly Turbid Color: ☒ Clear ☐ Tannic ☐ Green																																									
Sediment Type: (may check more than one) ☒ Sandy ☐ Organic fibrous (peaty, CPOM) ☐ Vegetated ☒ Sand/Silt ☒ Organic smooth (muck) ☐ Other (Specify): _____										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 Active Vegetation Mgmt? ☒ Yes ☐ No ☐ Don't Know										Abundance: <table border="1"> <thead> <tr> <th></th> <th>Absent</th> <th>Rare</th> <th>Common</th> <th>Abundant</th> </tr> </thead> <tbody> <tr> <td>Periphyton</td> <td>☐</td> <td>☐</td> <td>☒</td> <td>☐</td> </tr> <tr> <td>Nuisance Plants</td> <td>☐</td> <td>☐</td> <td>☒</td> <td>☐</td> </tr> <tr> <td>Submersed Plants</td> <td>☐</td> <td>☒</td> <td>☐</td> <td>☐</td> </tr> <tr> <td>Exotic Apple Snails</td> <td>☒</td> <td>☐</td> <td>☐</td> <td>☐</td> </tr> </tbody> </table>											Absent	Rare	Common	Abundant	Periphyton	☐	☐	☒	☐	Nuisance Plants	☐	☐	☒	☐	Submersed Plants	☐	☒	☐	☐	Exotic Apple Snails	☒	☐	☐	☐							
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Submersed Plants	☐	☒	☐	☐																																															
Exotic Apple Snails	☒	☐	☐	☐																																															
Weather Conditions : <u>Mostly Cloudy & Hot</u>																																																			
SAMPLING TEAM: _____										SIGNATURE: _____					DATE: <u>6/12/18</u>																																				

Entered by: ~~SB~~ 6/14/18
QC'd by: CM 6-21-18

DEP Form FD 9000-6: Lake Habitat Assessment Field Sheet

SBIO: 78439 HA: 15188

STORET STATION NUMBER:	DATE (M/D/Y) 6/12/18	LAKE NAME Lower Dianne Lake		FIELD ID / NAME: G1WA0040
ECO-REGION:	COUNTY: Leon	SAMPLING LOCATION/DESCRIPTION: Lower Dianne Lake Middle		LAKE SIZE: 66 acres
PARAMETER	No surface inflow or outflow present, very long water residence time, groundwater seepage dominates	Surface water inflow present, but flow is rare, moderate to long water residence time	Surface water inflow and outflow present (or outflow only), sometimes with visible flow, short water residence time	Impounded, hydrology of system artificially controlled
HYDROLOGY	☐	☐	☐	☒
Color 2017 Avg = 12.12	Very clear, uncolored water (benthic sampling appropriate) ☐	Water somewhat tannin stained (benthic sampling appropriate) ☒	Dark, discolored water (water color 20 PCU or higher) ☐	Visibility extremely reduced due to high color ☐
	Optimal	Suboptimal	Marginal	Poor
Secchi ☐ 11	Secchi >3 m Or VOB	3 2.6 2.2 1.8 1.4	1.0 0.9 0.8 0.7 0.6	0.5 0.4 0.3 0.2 0.1
	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1
Vegetation Quality ☐ 2	Diverse, expected native vegetation (emergent or submersed), less than 5% nuisance taxa	Mostly expected native plants, but moderate growths (6%-20% of lake) of nuisance macrophytes, or more than 50% of lake covered with plants	Large masses (21%-40%) of nuisance macrophytes (e.g., Hydrilla, hyacinth, cattail, etc.) or algal mats	Lake choked (>40%) with nuisance macrophytes (duckweed, hyacinth, etc.) or algal mats, or few plants present at all (e.g., plants removed)
	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1
Stormwater Inputs ☐ 2	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
	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1
Bottom Substrate Quality ☐ 3	Diverse mixture of sand, detritus, with small amounts of CPOM/mud/muck. SAV may be present	Mixture of sand or clay and detritus with higher % CPOM/mud/muck content. SAV may be present	Moderate layer of CPOM/mud/muck, or hardpacked sand only, or moderate algal growth (mats or Chara) on bottom	Thick deposits of CPOM, or fine detritus and anaerobic muck/mud/silt, or algal growth or nuisance plants (Hydrilla) cover bottom
	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1
Lakeside Adverse Human Alterations ☐ 2	Very few man-made structures, roads, or other disturbance adjacent to lake (<10%)	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)
	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1
Upland Buffer Zone ☐ 3	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
	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1
Adverse Watershed Land Use ☐ 9	Score the potential effects from adverse human land uses, based on a continuum of amount and type, with least to most adverse as follows: Native vegetation, Silviculture, Pasture or Citrus, Low Density Residential, Row Crops, Commercial, High Density Residential, Urban, Industrial			
	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1

TOTAL SCORE	32	COMMENTS: Grass Carp in the system + Herbicide use along shore line.
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ANALYSIS DATE: 6/12/18	ANALYST: B. Spencer	SIGNATURE: [Signature]
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Lower Lake Dianna

84.2354
30.5944

84.2381
30.5935

84.2400
30.5918

84.2334
30.5953

84.2313
30.5936

84.2334
30.5953

84.2362
30.5923

84.2334
30.5930

84.2381
30.5908

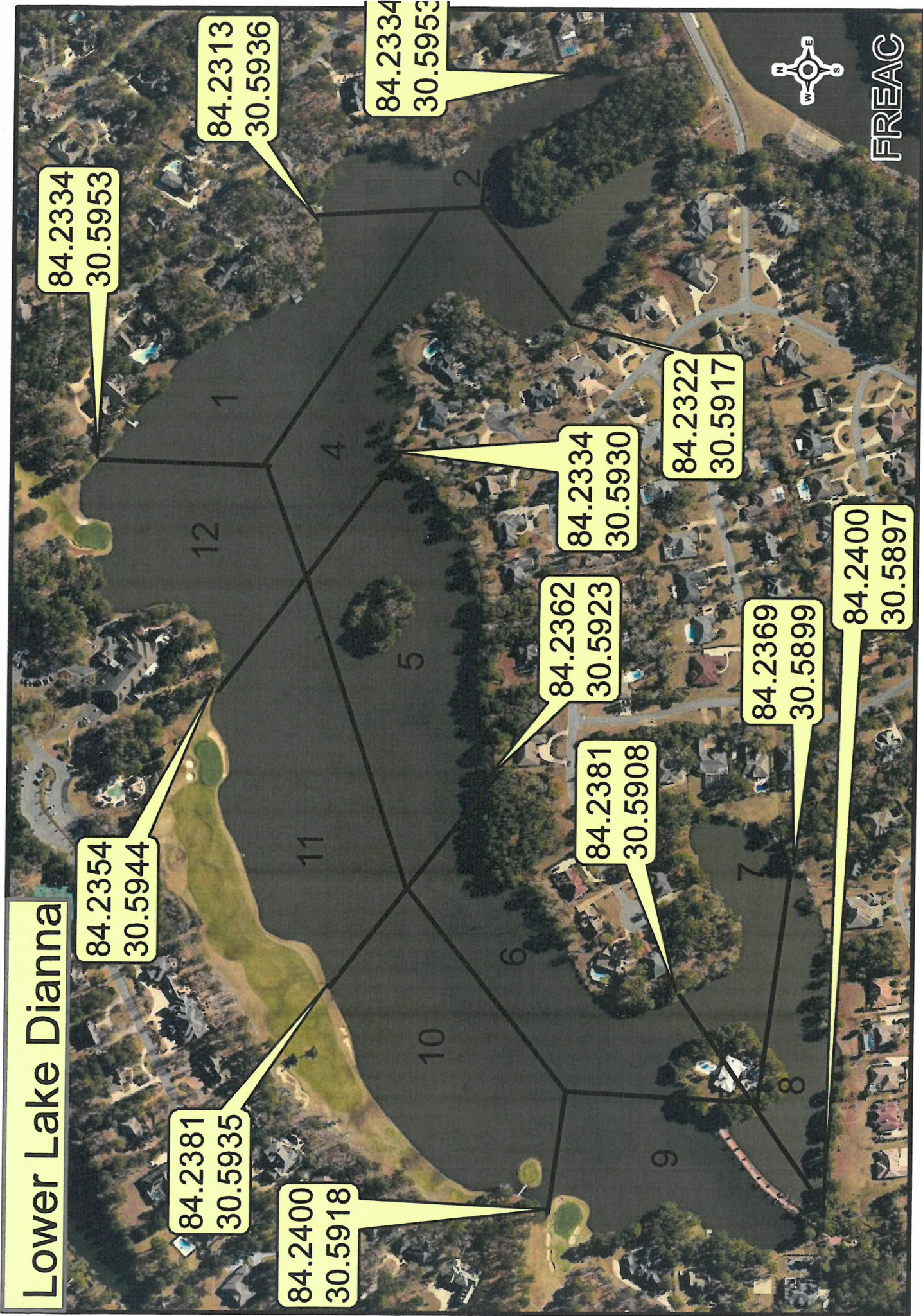
84.2322
30.5917

84.2369
30.5899

84.2400
30.5897



FREAC



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 page.

Meter ID: BioLog #2

RQ- 2018-06-04-38
2019-06-11-29

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 _____

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.	Blake Spencer	6/12/18	0710	21.77	8.777	8.78	100	67.6		P/F	L/F
ICV	Blake Spencer	6/12/18	0711	21.76	8.777	8.78	100	67.6		P/F	L/F
CCV	Blake Spencer	6/12/18	1322	26.93	7.968	8.08	101.1	70.6		P/F	L/F
CCV										P/F	L/F

DO Acceptance criteria from Table ± 0.3 mg/L.

Optical: DO gain range 0.85 to 1.15; DO charge N/A.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

Spec. Cond. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	Blake Spencer	6/12/18	0715	171005D	10/2019	1000	1000	P/F	L/F
ICV	Blake Spencer	6/12/18	0716	171005D	10/2019	1000	1001	P/F	L/F
CCV	Blake Spencer	6/12/18	1326	180326A	04/2019	100	104	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.	Blake Spencer	6/12/18	0722	171005B	4/2019	7.0	7.00	25.5	P/F	L/F
Calibr.	Blake Spencer	6/12/18	0726	180326C	4/2019	4.0	4.00	192.6	P/F	L/F
Calibr.	Blake Spencer	6/12/18	0734	171005C	4/2019	10.0	9.98	-139.3	P/F	L/F
ICV	Blake Spencer	6/12/18	0738	171005C	4/2019	10.0	9.98	-139.0	P/F	L/F
CCV	Blake Spencer	6/12/18	1329	180326C	4/2019	4.0	3.87	206.9	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

Customer: WAS-SECT

Requester: Curtis Musson

Field Report Prepared By: Blake Spencer

Project ID: SMP

Collected By: Blake Spencer & Curtis Musson

Sampling Agency: FOEP

Location	WIN ID/Field ID	Latitude	Longitude	Comp	Grab	Collection (comp begin or grab)	Date	Time	Diss. Oxygen	mg/L	% sat	Total Res. Chlorine	mg/L	% sat	Sp. Conductance	(umho/cm)	Bottle Group(s)
Upper Dianne Lake Middle	G1WA0041	30.59986	-84.23778	☒	☐	Fresh	6/12/19	0930	103.5	103.5	103.5	91	103.5	103.5	91		A
Lower Dianne Lake Middle	G1WA0040	30.59355	-84.23534	☒	☐	Fresh	6/12/18	0930	103.5	103.5	103.5	91	103.5	103.5	91		A
Upper Dianne Lake Middle	G1WA0041	30.59986	-84.23778	☒	☐	Fresh	6/12/19	0930	103.5	103.5	103.5	91	103.5	103.5	91		A
Lower Dianne Lake Middle	G1WA0040	30.59355	-84.23534	☒	☐	Fresh	6/12/18	0930	103.5	103.5	103.5	91	103.5	103.5	91		A
Upper Dianne Lake Middle	G1WA0041	30.59986	-84.23778	☒	☐	Fresh	6/12/19	0930	103.5	103.5	103.5	91	103.5	103.5	91		A
Lower Dianne Lake Middle	G1WA0040	30.59355	-84.23534	☒	☐	Fresh	6/12/18	0930	103.5	103.5	103.5	91	103.5	103.5	91		A

Relinquished By:	Date/Time: 6/12/19 12:48 pm	Shipping Method: Hand Delivered	Number of Coolers Shipped: 1	Received By:	Date/Time: 6/12/19 12:50
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Group: A	Bottle Type:	P-1L	# of Bottles: 3	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: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	CHLSUITE-W					
Group: A	Bottle Type:	P-250ML-WO-THI	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	ECOLI-18QT					
Group: A	Bottle Type:	P-500ML	# of Bottles: 3	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab
	W-NH3					
	W-NO2NO3					
	W-S-A-TP					
	W-TKN					
	W-TOC					
Group: A	Bottle Type:	P-125ML	# of Bottles: 3	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab
	W-PO4-F					

Lot # 54734/1020 Exp. 12/7/18

Filter Lot # 10827054

Cooler Packing Worksheet for Request: RQ-2018-06-11-29

SMP LVIs

Ship Cooler On: 6/14/2018

Customer/Project: WAS-SECT/SMP

Assigned To: REAVES_S

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:

Group A: Freshwater Kit, E.coli

1- case of sulfuric acid

2 - sets of sulfuric acid labels

Requested Analyses:

Bottle Group: A

of Sites: 3

Container ID: P-1L

Qty: 3

Preservation: ICE

Lot # 0071006

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: 3

Preservation: ICE

Lot # 1223623

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: 3 Preservation: ICE

Lot # L18006

Description:

Analysis

ECOLI-18QT

Description

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

Container ID: P-500ML

Qty: 3 Preservation: ICE And H2SO4

Lot # 00070684

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: 3 Preservation: FILTER-ICE

Lot # 00070886

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

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

Cooler Packed By: SK

Number of Coolers: 1

Date: 6-4-18

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 Sulfuric Acid
ID _____
ID _____
ID _____
ID _____

Exp 4-11-19
Exp _____
Exp _____
Exp _____
Exp _____

Lot # SA8101020
Lot # _____
Lot # _____
Lot # _____
Lot # _____

PLEASE RETURN ALL COOLERS FOR RQ-2018-06-11-29