



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

April 2018

Data Qualified?

Yes / No

WIN Station Name: Upper Dianne Lake Middle

Date: 6/19/18

WIN/ Field ID: G1WA0041

WBID: 546B

Latitude: 30.59986

(mm/dd/yyyy)

County: Leon

ORG ID: 21FLWQA

Longitude: -84.23778

(Decimal Degrees)

Receiving Body of Water: Lake Iamonia

RQ-2018- 05-28-11

(Decimal Degrees)

Sampling Team Members						WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment				
Curtis Musson							X	X	X			☒ Sample Container	☐ Van Dorn	☐ Pole	
Blake Spencer						X	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# Biology #2				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	1005	1.5	0.3	VOB	7.33	98.8	7.89	0.04	99	31.05					
CEN	1009		1.0		7.22	96.2	7.72	0.04	98	30.84					
Biological Samples Collected: None <u>HA</u> SCI RPS Algae ID LVS <u>LVI</u> Other:															
SBIO ID Numbers: SBIO-ID: <u>78458</u> HA-ID: <u>15/96</u> RPS-ID: <u>10970</u> Macrophyte-ID: <u>10970</u> LIMS#: <u>2001947</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		<u>SA8085170</u>	<u>3/26/19</u>	<u>4</u>					
Metals		☐ W-ICPMS ☐ W-ICP				☐ Ice ☐ HNO3				<u><2</u>					
Filtered Nutrients		☒ W-PO4-F ☒ Field Filtered 0.45 um Filter				☒ Ice		<u>10827054</u>							
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-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				☐ Ice									
		☐ W-PCL-SQ-R ☐ WE8321-MS ☐ W-CARB-AA				☐ Other									

Notes:

Kit-A
FW Bact
LVI

Upper Dianne
Lake Middle

WIN ID/Field ID

G1WA0041

Signature:

Date:

Enter Field Parameters, Verify Station ID In LIMS DMT: 6/20/19

QC Station ID, Field Parameters In LIMS DMT: 6-21-19

Scan/Save Field Sheets (Initials/Date)

Migrate Data to WIN: (Initials/Date)

Verify Data In WIN: (Initials/Date)

Entered by ~~6/20/19~~
 6/20/19
 6-248

SRTD: 78458 Macrophyte: 10970 DEP FORM FD 9000-27 LAKE VEGETATION INDEX FIELD SHEET LIMS#: 2001947

Waterbody: Upper Dianne Lake Middle				County: Leon				Date: 6/19/18			
Analyst: Blake Spencer				Signature: <i>Blake Spencer</i>				STORET: G1WA0041			
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): 1, 4, 7, 10 2, 5, 8, 11 3, 6, 9, 12			
SPECIES	2	5	8	11	Collected? (✓)	SPECIES	2	5	8	11	Collected? (✓)
Acer rubrum						Habenaria repens					
Alternanthera philoxeroides	X	X	X	X		Hydrilla verticillata					
Andropogon sp.						Hydrocotyle sp.	X	X	X	X	
Azolla filiculoides (A. caroliniana)						Hrdolea quadrivalis					
Baccharis sp.	X		X			Hygrophila polysperma					
Bacopa caroliniana	X	X				*Hypericum fasciculatum					
Bacopa monnieri						*Hypericum hypericoides					
Bidens laevis	X	X	X			*Hypericum myrtifolium					
Bidens mitis						Ilex cassine					
Blechnum serrulatum						Ipomoea aquatica					
Boehmeria cylindrica	X	X	X	X		Ipomoea sagittata					
Brasenia schreberi						Iris pseudacorus	X	X	X	X	
Cabomba caroliniana						Itea virginica					
Casuarina equisetifolia						Juncus effusus	X		X	X	
Centella asiatica						*Juncus marginatus			X		
Cephalanthus occidentalis	X	X				*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	X	X				Lemna sp.					
Crinum americanum						Leucothoe racemosa (Eubotrys racemosa)					
*Cyperus alternifolius (C. involucratus)						Limnium spongia					
Cyperus articulatus						Limnophila sessiliflora					
Cyperus haspan						Liquidambar styraciflua				X	
*Cyperus lecontei						*Ludwigia arcuata					
*Cyperus polystachyos						*Ludwigia leptocarpa					
*Cyperus odoratus						*Ludwigia linearis					
*Cyperus surinamensis			X			*Ludwigia octovalvis					
Cyrilla racemiflora						*Ludwigia peruviana			X		
Decodon verticillatus						*Ludwigia repens					
Diodia virginiana						*Ludwigia					
*Echinochloa crus-galli						Luziola fluitans (Hydrochloa carolinensis)					
*Echinochloa muricatum						Lycopus virginicus	X	X	X	X	
Echinochloa walteri						Lyonia lucida					
Eclipta prostrata (E. alba)						Magnolia virginiana					
Egeria densa						Mayaca fluviatilis					
Eichhornia crassipes						Melaleuca quinquenervia					
*Eleocharis baldwinii						Micranthemum glomeratum					
*Eleocharis						Micranthemum umbrosum					
Eleocharis cellulosa						Mikania scandens	X	X			
Eleocharis equisetoides						Mimosa pigra					
Eleocharis interstincta						Myrica cerifera	X	X	X	X	
*Eriocaulon compressum						<i>Carex lurida</i>	X	X	X		
*Eriocaulon decangulare						<i>Magnolia grandiflora</i>	X				
Eupatorium capillifolium	X	X		X							
*Fuirena											
Fuirena scirpoidea											
Gordonia lasianthus											

Entered by: BSB 6/20/18
GC: CM 6-21-18

SRIO: 78458 Macrophyte: 10970

FORM FD 9000-27: LAKE VEGETATION INDEX FIELD SHEET LIMS # 2001947

Site: Upper Dianne Lake Middle (G1WA0041)						Date: 6/19/18					
SPECIES	2	5	8	11	Collected? (✓)	SPECIES	2	5	8	11	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 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											
*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: G1WA0041

Visit ID: 78458

Macrophyte ID: 10970

LIMS ID: 2001947

Sample Date: 6/19/2018

Collector Name: Musson, Curtis

Identifier Name: Spencer, Blake

Macrophyte Sample Comments:

Taxa Name:	Rep 1	Rep 2	Rep 3	Rep 4
<i>Acer rubrum</i>				P
<i>Alternanthera philoxeroides</i>	P	P	P	P
<i>Baccharis</i>	P		P	
<i>Bacopa caroliniana</i>		P		
<i>Bidens laevis</i>	P	P	P	
<i>Boehmeria cylindrica</i>	P	P	P	P
<i>Carex lurida</i>	P	P	P	
<i>Cephalanthus occidentalis</i>	P	P		
<i>Colocasia esculenta</i>				P
<i>Commelina</i>	P	P		
<i>Cyperus surinamensis</i>			P	
<i>Eupatorium capillifolium</i>	P	P		P
<i>Hydrocotyle</i>	P	P	P	P
<i>Iris pseudacorus</i>	P	P	P	P
<i>Juncus effusus</i>	P		P	P
<i>Juncus marginatus</i>			P	
<i>Liquidambar styraciflua</i>				P
<i>Ludwigia peruviana</i>			P	
<i>Lycopus virginicus</i>	P	P	P	P
<i>Magnolia grandiflora</i>		P		
<i>Mikania scandens</i>	P	P		
<i>Myrica cerifera</i>	P	P	P	P
<i>Panicum hemitomon</i>	P	P	P	P
<i>Panicum repens</i>	D	D	D	D
<i>Paspalum urvillei</i>	P	P	P	P
<i>Pinus elliotii</i>		P	P	
<i>Polygonum glabrum</i>		P	P	
<i>Polygonum hydropiperoides</i>	P	P	P	
<i>Pontederia cordata</i>		P	P	P
<i>Rhexia mariana</i>	P	P	P	
<i>Rhynchospora corniculata</i>		P		
<i>Sacciolepis striata</i>	P			
<i>Sagittaria latifolia</i>		P		

SPR

QC: CM

6-21-18

This data has not been fully approved at this time.

Macrophyte QC Report

Taxa Name:		Rep 1	Rep 2	Rep 3	Rep 4	
<i>Salix caroliniana</i>	Cm		P			✓
<i>Salvinia minima</i>	Cm		P			✓
<i>Sapium sebiferum</i>	Cm		P	P	P	✓
<i>Saururus cernuus</i>	Cm			P		✓
<i>Solidago</i>	Cm		P			✓
<i>Spartina bakeri</i>	Cm	P				✓
<i>Taxodium</i>	Cm				P	✓
<i>Typha</i>	Cm		P		P	✓

→ QC Cm: 6-21-18

This data has not been fully approved at this time.

Entered by: ~~SPS~~ 6/20/18
QC: CM 6-21-18

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

SBIO: 78458 HA: 15196

STORET STATION NUMBER: G1WA0041	DATE (M/D/Y) 6/19/18	LAKE NAME Upper Dianne		FIELD ID / NAME: G1WA0041																
ECO-REGION:	COUNTY: Leon	SAMPLING LOCATION/DESCRIPTION: Upper Dianne Lake Middle		LAKE SIZE:																
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																
HYDROLOGY	☐	☐		☐																
Color	Very clear, uncolored water (benthic sampling appropriate) ☐	Water somewhat tannin stained (benthic sampling appropriate) ☒		Dark, discolored water (water color 20 PCU or higher) ☐																
	Optimal	Suboptimal		Marginal																
Secchi (1.5m) ☐ 11	Secchi >3 m Or VOB	Secchi(m)	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 ☐ 3	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 ☐ 10	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 Alternations ☐ 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 ☐ 2	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 39	COMMENTS:
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ANALYSIS DATE: 6/19/18	ANALYST: Blake Spenser	SIGNATURE: <i>Blake Spenser</i>
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Entered by: 6/20/19
 QC: 6-21-19

DEP FORM FD 9000-31: LAKE OBSERVATION FIELD SHEET

SAMPLE ID: 78458 MACROPHYTE ID: 10970 LATITUDE: 30.59986
 COUNTY: Leon STORET #: G1WA0041 LONGITUDE: -84.23778
 DATE: 6/19/18 TIME: 10:05 AM SAMPLING AGENCY: FDEP
 SITE NAME: Upper Dianne Lake Middle WBID: 546B
 FIELD ID/NAME: G1WA0041 LAKE SIZE: _____ RQ: 2018-05-28-11

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>3</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>2</u>	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1

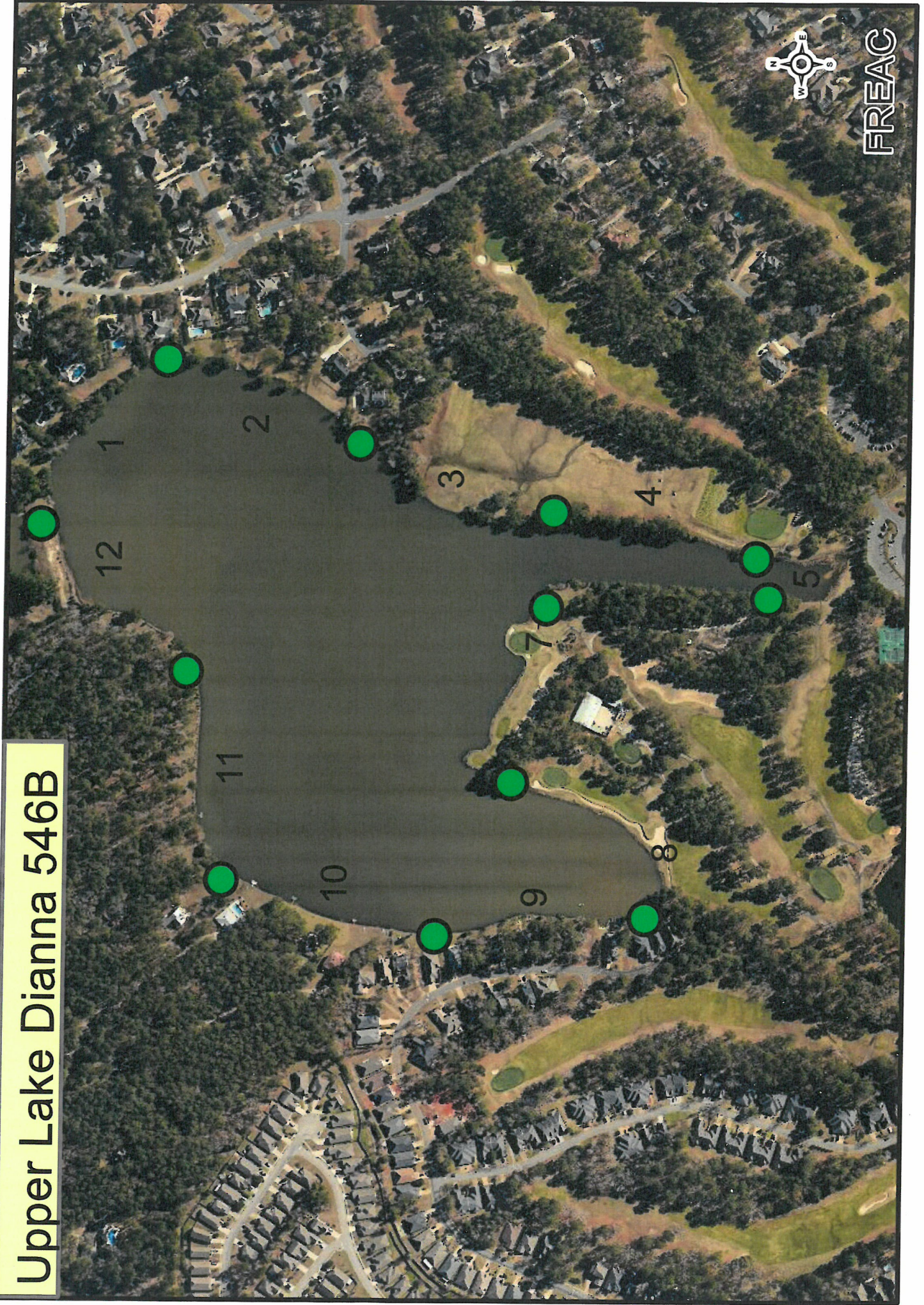
WATER / SUBSTRATE / BIOLOGICAL: SAMPLES AND OBSERVATIONS

Water: Nutrient Sample Taken? ☒ Yes ☐ No Preserved? ☒ Yes ☒ pH<2 ☐ No Color Sample Taken? ☒ Yes ☐ No Lot # <u>SA9085170</u> Exp. Date: <u>3/26/19</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>31.05</u> <u>7.89</u> <u>7.33</u> <u>98.8</u> <u>99</u> <u>0.04</u> Mid-Depth: _____ Bottom: <u>1.0</u> <u>30.84</u> <u>7.72</u> <u>7.22</u> <u>96.2</u> <u>98</u> <u>0.04</u> 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: <u>Active vegetation management</u> <u>Grass Carp</u>				
Weather Conditions : _____									
SAMPLING TEAM: <u>Blake Spencer & Curtis Musson</u>					SIGNATURE: _____		DATE: <u>6/19/18</u>		

Upper Lake Dianna 546B



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 name.

Meter ID: Biolox #2 RQ- 2018-05-28-11 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	6/19/18	716	20.71	8.968	8.97	100.0	61.4	—	P/F	L/F
ICV	Blake Spencer	6/19/18	717	20.72	8.968	8.95	99.9	62.5	—	P/F	L/F
CCV	Blake Spencer	6/19/18	1439	20.72	8.143	8.13	99.9	64.5	—	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	6/19/18	721	171005A	10/2018	1000	1000	P/F	L/F
ICV	Blake Spencer	6/19/18	723	171005A	10/2018	1000	1000	P/F	L/F
CCV	Blake Spencer	6/19/18	1443	180326A	04/2019	100	101	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	6/19/18	725	171005B	4/2019	7.0	7.00	22.0	P/F	L/F
Calibr.	Blake Spencer	6/19/18	732	180326C	4/2019	4.0	4.00	191.1	P/F	L/F
Calibr.	Blake Spencer	6/19/18	0737	171005C	4/2019	10.0	10.00	-145.7	P/F	L/F
ICV	Blake Spencer	6/19/18	0740	171005C	4/2019	10.0	9.99	-145.7	P/F	L/F
CCV	Blake Spencer	6/19/18	1445	171005B	4/2019	7.0	6.87	30.0	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

Project ID: SMP

Requester: Curtis Musson

Collected By:

Blake Spencer + Curtis Musson

Field Report Prepared By:

Blake Spencer

Sampling Agency:

FAEP

Location		WIN ID/Field ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID	WIN/STORET #	Matrix (type, e.g., Salt, Fresh, etc)	Time	Temp (C)	pH	Diss. Oxygen	Total Res. Chlorine (mg/L)	Time	Bottle Group(s)
Upper Dianne Lake Middle									
30.59986		31.05	7.89	98.8	0.3				A
Lower Dianne Lake Middle									
30.59355		32.26	8.60	121.6	0.3				A
Petty Gulf lake Middle									
30.58915		32.32	8.36	133.8	0.3				A
Pine Hill Lake Middle									
30.58492		32.46	7.21	125.1	0.3				A

Relinquished By:		Shipping Method		Number of Coolers Shipped:		Received By:		Date/Time	
<u>Blk</u>		<u>Hand Delivered</u>		<u>2</u>		<u>Tyler</u>		<u>06/19/18</u>	

2:11 PM

Customer: WAS-SECT

Project ID: SMP

Requester: Curtis Musson

Collected By:

Field Report Prepared By:

Sampling Agency:

Blake Spencer & Curtis Musson

Blake Spencer
FAEP

Location		WIN ID/Field ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID		Date		Time		Date		(See pg 2)	
WIN/STORET #		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		mg/L		Total Res. Chlorine	
Latitude		Temp (C)		pH		ft		Sp. Conductance	
Longitude		Salinity (ppt)		Comments		umho/cm		86	
30.60779		dd dms		0.04		0.3		A	
Lake Monkey		dd dms		dd dms		dd dms		dd dms	
Business Middle		dd dms		dd dms		dd dms		dd dms	
G1WA0036		dd dms		dd dms		dd dms		dd dms	
30.60779		dd dms		dd dms		dd dms		dd dms	
Longitude		dd dms		dd dms		dd dms		dd dms	
Latitude		dd dms		dd dms		dd dms		dd dms	
Longitude		dd dms		dd dms		dd dms		dd dms	
Latitude		dd dms		dd dms		dd dms		dd dms	
Longitude		dd dms		dd dms		dd dms		dd dms	
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Longitude		dd dms		dd dms		dd dms		dd dms	
Latitude		dd dms		dd dms		dd dms		dd dms	

Relinquished By:

Date/Time

Shipping Method

Shipping Method Hand Delivered

Number of Coolers Shipped:

Received By:

Date/Time

Date/Time
06/19/18 02:19

Group: A	Bottle Type:	P-1L	# of Bottles: 5	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	ALKALINITY					5
	TURBIDITY					
	W-CL-IC					
	W-COLOR					
	W-F					
	W-SO4-IC					
	W-TDS					
	W-TSS					
Group: A	Bottle Type:	BP-1L	# of Bottles: 5	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	CHLSUITE-W					5
Group: A	Bottle Type:	P-250ML-WO-THI	# of Bottles: 5	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	ECOLI-18QT					5
Group: A	Bottle Type:	P-500ML	# of Bottles: 5	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab
	W-NH3					5
	W-NO2NO3					
	W-S-A-TP					
	W-TKN					
	W-TOC					
				H2SO4 LOT# SA8085170 EXP: 03/26/19		
Group: A	Bottle Type:	P-125ML	# of Bottles: 5	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab
	W-PO4-F					5
				Lot # 10827054		

Cooler Packing Worksheet for Request: RQ-2018-05-28-11

NE TLH Lakes

Ship Cooler On: 5/24/2018

Customer/Project: WAS-SECT/SMP

Assigned To: REYNOLDS_T

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 Kit, E. coli

Requested Analyses:

Bottle Group: A

of Sites: 5

Container ID: P-1L

Qty: 5 Preservation: ICE

Lot # 00070144

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: 5 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: 5 Preservation: ICE

Lot # 018006

Description:

Analysis

ECOLI-18QT

Description

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

Container ID: P-500ML

Qty: 5 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: 5 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: Tyler L

Number of Coolers: 2

Date: 05/21/18

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-2018-05-28-11