



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

March 2017

PAGE 1 OF 13

Data Qualified?
Yes / No

Location/STORET Station Name: Petty Gulf lake Middle

Date: 07/25/2017

STORET # G1WA0022

WBID: 564C

Latitude: 30.58915

(mm/dd/yyyy)

County: Leon

RQ - 2017-06-05-45

ORG ID: 21FLWQA

Longitude: -84.22637

(Decimal Degrees)

Receiving Body of Water: Lower Dianne Lake

Field ID: G1WA0022_07252017

(Decimal Degrees)

Sampling Team Members				WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment			
Curtis Musson									☒ Sample Container	☐ Van Dorn	☐ Pole	
Blake Spencer									☐ 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 / Pooled / Low / Normal / High / Flooded				Matrix: Fresh / Marine / DI				Tide Falling: Yes / No / NA				
Meter ID# Bio #2				Photos: Yes / No								
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°)		
EST	1256	0.3m	2.3	7.35	99.6	6.97	.03	1.5	61	31.55		
CEN	1305	1.8m		7.23	97.4	6.84	.03		61	31.01		

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

SBIO ID Numbers: SBIO-ID: 77840 RPS-ID: Macrophyte-ID: 10591 LIMS#: 1916193

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	SA-7093010	4/3/18	☒ <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-QLDC	☐ 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	☐ Ice			
	☐ W-PCL-SQ-R ☐ W-UHERB-AA ☐ W-GLYPH ☐ W-SUC-AA-R	☐ Other			

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

Notes:

LVI
Kit A

Field ID: →

Petty Gulf
Lake Middle
July 25, 2017



G1WA0022_07252017

Petty Gulf
lake Middle

STORET ↓



G1WA0022

Signature:

Date:

Field Parameters Entered into LIMS:

Field Parameters QC in LIMS:

Date Migrated to STORET:

Field Sheets Scanned/Saved:

SB10 ID: 77840
 Macrophyte ID: 10591
 LIMS: A16193

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

STORET STATION NUMBER: G1W40022	DATE (M/D/Y): 7/25/17	LAKE NAME: Petty Gulf		FIELD ID / NAME: G1W40022-07252017																
ECO-REGION: Tallahassee Hills Valdosta Lake Sink	COUNTY: Leon	SAMPLING LOCATION/DESCRIPTION: Petty Gulf Lake Middle		LAKE SIZE: 26.4 Acres																
PARAMETER																				
HYDROLOGY	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 ☒																
Color X=15	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																
Secchi 1.5m	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 8	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)														
Stormwater Inputs 9	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 Alterations 4	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: 53	COMMENTS: Active Veg. management, Herbicide / Storm water inputs
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ANALYSIS DATE: 7/25/17	ANALYST: Curtis Mussen	SIGNATURE: Curtis Mussen
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Blake Spencer

Waterbody: <u>Petty Gulf</u>				County: <u>Leon</u>				Date: <u>7/25/17</u>			
Analyst: <u>Blake Spencer</u>				Signature: <u>[Signature]</u>				STORET:			
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 <u>2, 5, 8, 11</u> 3, 6, 9, 12			
SPECIES	2	5	8	11	Collected? (✓)	SPECIES	2	5	8	11	Collected? (✓)
Acer rubrum	X	X	X	X		Habenaria repens					
Alternanthera philoxeroides	X	X	X	X		Hydrilla verticillata	X	X	X	X	
Andropogon sp.						Hydrocotyle sp.	X	X	X	X	
Azolla filiculoides (A. caroliniana)						Hrdrolea quadrivalis	X	X	X	X	
Baccharis sp.						Hygrophila polysperma					
Bacopa caroliniana	X	X	X			*Hypericum fasciculatum					
Bacopa monnieri						*Hypericum hypericoides					
Bidens laevis						*Hypericum myrtifolium					
Bidens mitis	X					Ilex cassine					
Blechnum serrulatum						Ipomoea aquatica					
Boehmeria cylindrica	X	X	X	X		Ipomoea sagittata					
Brasenia schreberi				X		Iris pseudacorus					
Cabomba caroliniana						Itea virginica					
Casuarina equisetifolia						Juncus effusus					
Centella asiatica						*Juncus marginatus	X		X		
Cephalanthus occidentalis			X	X		*Juncus megacephalus					
Ceratophyllum demersum						Juncus repens					
Chara sp.	X	X	X	X		*Juncus scirpoides					
Cladium jamaicense						Lachnanthes caroliniana					
Cliftonia monophylla						Leersia hexandra					
Colocasia esculenta	X	X	X	X		Landoltia punctata (Spirodela punctata)					
*Commelina						Lemna sp.					
Crinum americanum						Leucothoe racemosa (Eubotrys racemosa)					
* Cyperus alternifolius (C. involucratus)			X			Limnobia spongia	X	X	X		
Cyperus articulatus						Limnophila sessiliflora					
Cyperus haspan						Liquidamber styraciflua		X		X	
*Cyperus lecontei						*Ludwigia arcuata					
*Cyperus polystachyos						*Ludwigia leptocarpa					
*Cyperus odoratus						*Ludwigia linearis					
*Cyperus surinamensis						*Ludwigia octovalvis					
Cyrtilla racemiflora		X				*Ludwigia peruviana					
Decodon verticillatus						*Ludwigia repens	X	X	X	X	
Diodia virginiana		X				*Ludwigia <u>grandiflora</u>	X	X	X	X	
*Echinochloa crus-galli						Luziola fluitans (Hydrochloa carolinensis)	X	X	X	X	
*Echinochloa muricatum						Lycopus virginicus		X			
Echinochloa walteri						Lyonia lucida					
Eclipta prostrata (E. alba)						Magnolia virginiana					
Egeria densa						Mayaca fluviatilis					
Eichhornia crassipes				X		Melaleuca quinquenervia					
*Eleocharis baldwinii						Micranthemum glomeratum			X		
*Eleocharis <u>viriparous</u>	X	X	X	X		Micranthemum umbrosum					
Eleocharis cellulosa						Mikania scandens	X	X			
Eleocharis equisetoides						Mimosa pigra					
Eleocharis interstincta						Myrica cerifera	X	X	X	X	
*Eriocaulon compressum											
*Eriocaulon decangulare						<u>Rhynchospora glomerata</u>	X	X			
Eupatorium capillifolium						<u>Triadendron tulipifera</u>		X			
*Fuirena											
Fuirena scirpoidea											
Gordonia lasianthus											

DEP FORM FD 9000-31: LAKE OBSERVATION FIELD SHEET

SAMPLE ID: _____ MACROPHYTE ID: _____ LATITUDE: _____
COUNTY: Leon STORET #: 61WA0022 LONGITUDE: _____
DATE: 7-25-2017 TIME: 1256 SAMPLING AGENCY: FDEP
SITE NAME: Petty Gulf Middle WBID: 564C
FIELD ID/NAME: 61WA0022_07252017 LAKE SIZE: 26.4 acres RQ: 2017-06-05-45

WATERSHED / LAKESIDE FEATURES

PREDOMINANT LAND-USE IN WATERSHED (specify relative percent in each category – from GIS) : <u>Water</u> Forest/Natural <u>34.2</u> Silviculture <u>7.8</u> Field/Pasture <u>-</u> Agricultural <u>1.1</u> Residential <u>41.6</u> Commercial <u>2.4</u> Industrial <u>5.2</u> Other (Specify) <u>5.6</u>							LANDSCAPE DEVELOPMENT INTENSITY (100 m buffer) LDI: <u>4.6</u>						
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>9</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>2</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 ☒ pH<2 ☐ No Color Sample Taken? ☒ Yes ☐ No Lot # <u>L See Field Sheet</u> Exp. Date: _____ Alkalinity Sample Taken? ☒ Yes ☐ No Water Level ☐ Low ☒ Normal ☐ High								Water Odors: ☒ Normal ☐ Sewage ☐ Petroleum ☐ Other _____			
Meter Readings: Depth (M) Temp. (°C) pH (SU) D.O. (MG/L) D.O. Sat. (%) Cond. (UMHO/CM) Salinity (PPT) Top: <u>0.3</u> <u>31.55</u> <u>6.97</u> <u>7.35</u> <u>99.8</u> <u>61</u> <u>0.03</u> Mid-Depth: _____ Bottom: <u>1.8</u> <u>31.01</u> <u>6.84</u> <u>7.23</u> <u>97.4</u> <u>61</u> <u>0.03</u>								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 ☒ Tannic ☐ Green ☐ Slightly Turbid			
Biological Communities: LVI Conducted? ☒ Yes ☐ No Phytoplankton Sample Taken? ☐ Yes ☒ No Sample Preserved? <u>NA</u> ☒ Yes ☐ No Lot #: _____ Exp Date: _____ Algal Bloom/Algal ID Sample Taken? Yes ☒ No Active Vegetation Mgmt? ☒ Yes ☐ No ☐ Don't Know								SECCHI (M) <u>1.5</u> Total Station Depth (M) <u>2.3</u> VOB ☐			
Abundance: Absent Rare Common Abundant Periphyton ☐ ☐ ☒ ☐ Nuisance Plants ☐ ☐ ☐ ☒ Submersed Plants ☐ ☐ ☒ ☐ Exotic Apple Snails ☒ ☐ ☐ ☐								Sediment Odors: ☒ Normal ☐ Other (Specify): _____ ☐ Anaerobic			
Additional Notes: <u>LFms ID#</u> <u>1916193</u> <u>SBIO ID: 77840</u> <u>Macrophyte ID: 10591</u>											
Weather Conditions : <u>Hot, Humid, Partly cloudy, 95°F</u>											
SAMPLING TEAM: <u>Curtis Mussen</u> <u>Blake Spencer</u>						SIGNATURE: <u>Awayley</u>		DATE: <u>7/25/2017</u>			

Petty Gulf 564C

84.2301
30.5903

84.2286 30.5907

84.2270 30.5900

84.2254 30.5892

84.2238
30.5884

84.2311
30.5889

84.2295
30.5894

84.2275
30.5895

84.2262
30.5883

84.2247
30.5876

84.2231
30.5874

84.2309
30.5883



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 Bio #2 RQ- 2017-06-05-45 Project SMP

- Notes: (1) Numbers ≤ 4 , are rounded down; numbers ≥ 5 are rounded up (e.g., 5.15 becomes 5.2).
 (2) Always wait for meter to stabilize before recording any readings.
 (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 03/06/2017

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	7/24/17	1521	23.02	8.57	8.57	100.0	40.0		Pass	Lab
ICV	Blake Spencer	7/24/17	1523	23.02	8.57	8.58	100.1	40.0		Pass	Lab
CCV	Blake Spencer	7/25/17	1626	26.90	7.997	8.27	103.4	40.0		Pass	Lab
CCV											

Report DO mg/L with one decimal figure and DO % saturation as a whole number with no decimals.

DO Acceptance criteria from Table ± 0.3 mg/L.

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

Optical: DO gain range 0.85 to 1.15; DO charge N/A. Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

Spec. Cond. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Blake Spencer	7/24/17	1525	170310D	03/2018	1000	1000	Pass	Lab
ICV	Blake Spencer	7/24/17	1527	170314D	06/2018	100	103	Pass	Lab
CCV	Blake Spencer	7/25/17	1633	170310D	03/2018	1000	1007	Pass	Lab
CCV									

Report specific conductance as a whole number with no decimal figure.

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	7/24/17	1536	170310B	09/2018	7.0	7.00		Pass	Lab
Calibr.	Blake Spencer	7/24/17	1546	161111C	05/2018	4.0	4.00		Pass	Lab
Calibr.	Blake Spencer	7/24/17	1550	170310A	03/2018	10.0	10.00		Pass	Lab
ICV	Blake Spencer	7/24/17	1551	170310A	03/2018	4.0	4.00		Pass	Lab
CCV	Blake Spencer	7/25/17	1644	161111C	05/2018	10.00	10.00		Pass	Lab
CCV										

Report pH with one decimal place; pH Acceptance criteria ± 0.2 SU; mV pH7 Range 0 $\pm$ 50; mV pH 4 Range +180 $\pm$ 50;
 mV pH 10 Range -180 $\pm$ 50; Slope from 7 to 10 and 4 to 7 must be between 165 and 180 mV

Depth (Quarterly)

Date of Last Depth Verification _____

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air				0.000			

ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater

Request Number: RQ-2017-06-05-45

EVENT: Pine Hill, Tallavanna Lakes
Customer: WQ-ASSESS
Project ID: SMP

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Central Lab Sample Submittal Form

Requester: Curtis Musson

Field Report Prepared By: Curtis Musson Page 1 of 4
Sampling Agency: FDEP

Lake Arrowhead at
Boat Clock At Turtle
Crk Lr Near Outlet
STORET
G1WA0004

Field IC →
Lake Arrowhead
at boat dock at
Turtle Crk Lr
near outlet
July 25, 2017
G1WA0004_07252017

Pine Hill
Lake Middle
STORET
G1WA0054

Field IC →
Pine Hill
Lake Middle
July 25, 2017
G1WA0054_07252017

Petty Gulf
Lake Middle
STORET
G1WA0022

Field IC →
Petty Gulf
Lake Middle
July 25, 2017
G1WA0022_07252017

☐ Comp ☒ Grab	Collection (comp begin or grab) Date 7/25/17 Time 8:17	☒ Eastern ☐ Central	Collection (comp begin or grab) Date	Time	Bottle Group(s)
Matrix (Salt, Fresh) Fresh	Diss. Oxygen (mg/L) 7.68	pH 7.42	Sample Depts (m) 0.3	Sp. Conductance (umho/cm) 73	A
Temp (C) 30.11					
Salinity (ppt) 0.03					
Latitude (Decimal Degrees)					
Longitude (Decimal Degrees)					

☐ Comp ☒ Grab	Collection (comp begin or grab) Date 7/25/17 Time 11:15	☒ Eastern ☐ Central	Collection (comp begin or grab) Date	Time	Bottle Group(s)
Matrix (Salt, Fresh) Fresh	Diss. Oxygen (mg/L) 8.45	pH 7.35	Sample Depts (m) 0.3	Sp. Conductance (umho/cm) 86	A
Temp (C) 31.18					
Salinity (ppt) 0.03					
Latitude (Decimal Degrees)					
Longitude (Decimal Degrees)					

☐ Comp ☒ Grab	Collection (comp begin or grab) Date 7/25/17 Time 12:56	☒ Eastern ☐ Central	Collection (comp begin or grab) Date	Time	Bottle Group(s)
Matrix (Salt, Fresh) Fresh	Diss. Oxygen (mg/L) 7.35	pH 6.97	Sample Depts (m) 0.3	Sp. Conductance (umho/cm) 61	A
Temp (C) 31.55					
Salinity (ppt) 0.03					
Latitude (Decimal Degrees)					
Longitude (Decimal Degrees)					

Relinquished By: Curtis Musson Date/Time: 7/25/17 3:53 PM Number of Coolers: 2 Received By: C. P. Date/Time: 7/25/17 1:00 PM

Request Number: RQ-2017-06-05-45

SMP

Customer: WQ-ASSESS

Project ID: SMP

Location:

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Central Lab Sample Submittal Form

Requester: Curtis Mussen

Collected By:

Field Report Prepared By: Curtis Mussen
Sampling Agency: FDEP

Tallahavanna
Lake Middle
STORET ↓
G1WA00045

Field ID: →

ST
Tallavan 1a
Lake Middle

July 25, 2017

G1WA00045_07252017



☐ Comp	Collection (comp begin or grab)	Eastern Central	Collection (comp begin or grab)	Bottle Group(s)
☒ Grab	Date 7/25/17 Time 1436		Date /	

Matrix (Salt, Fresh)	Diss. Oxygen (mg/L)	Sample Depts (m)	Sp. Conductance (umho/cm)
Fresh	10.92		

Temp (C)	pH	Sample Depts (m)	Sp. Conductance (umho/cm)
31.92	8.75	0.3	260

Salinity (ppt)	Comments	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)
0.12			

Location	Collection (comp begin or grab)	Eastern Central	Collection (comp begin or grab)	Bottle Group(s)
	Date		Date	

Field ID	Matrix (Salt, Fresh)	Diss. Oxygen (mg/L)	pH	Sample Depts (m)	Sp. Conductance (umho/cm)

STORET #	Temp (C)	Salinity (ppt)	Comments	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)

Location	Collection (comp begin or grab)	Eastern Central	Collection (comp begin or grab)	Bottle Group(s)
	Date		Date	

Field ID	Matrix (Salt, Fresh)	Diss. Oxygen (mg/L)	pH	Sample Depts (m)	Sp. Conductance (umho/cm)

STORET #	Temp (C)	Salinity (ppt)	Comments	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)

Location	Collection (comp begin or grab)	Eastern Central	Collection (comp begin or grab)	Bottle Group(s)
	Date		Date	

Field ID	Matrix (Salt, Fresh)	Diss. Oxygen (mg/L)	pH	Sample Depts (m)	Sp. Conductance (umho/cm)

STORET #	Temp (C)	Salinity (ppt)	Comments	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)

Relinquished By:	Date/Time	Number of Coolers	Received By:	Date/Time

Group: A	Bottle Type:	P-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
	ALKALINITY						
	TURBIDITY						
	W-CL-IC						
	W-COLOR						
	W-F						
	W-SO4-IC						
	W-TDS						
	W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
	CHLSUITE-W						
Group: A	Bottle Type:	P-500ML	# of Bottles: 4	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	4
	W-NH3						
	W-NO2NO3						
	W-S-A-TP						
	W-TKN						
	W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 4	Preservative:	ICE-FLTR	Enter Number of Bottles Sent to Lab	4
	W-PO4-F						
Group: B	Bottle Type:	BG-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
	W-AHERB-AA						
	W-GLYPH						
	W-PYR-AA-R						
	W-SUC-AA-R						
	W-UHERB-AA						
Group: B	Bottle Type:	BG-500ML	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
	W-CT-CL-R						
	W-PCL-SQ-R						
Group: B	Bottle Type:	BG-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
	W-PSNP-TQ						
Group: C	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	
	W-ICP						
	W-ICPMS						

Group: D	Bottle Type: P-250ML-WO-THI	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab
ECOLI-18QT					

Cooler Packing Worksheet for Request: RQ-2017-06-05-45

Pine Hill, Tallavanna Lakes

Ship Cooler On: 5/29/2017

Customer/Project: WQAP/SMP

Assigned To: REYNOLDS_T

Requester: Curtis Musson

Priority: 3

850-245-8453
2600 Blair Stone Rd
MS #3525
Tallahassee, FL 32399-2400
Attn: Curtis Musson

Comments:

No preservatives needed.

Group A: Freshwater Kit

Group B: Organics (Pesticides)

Group C: Metals

Group D: Bacteria (E. Coli)

Packing notes:

4 - Liters of DI water for a Group A Blank

Requested Analyses:

Bottle Group: A

of Sites: 4

Container ID: P-1L

Qty: 4 Preservation: ICE

Lot # 00067590

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

Container ID: BP-1L

Qty: 4 Preservation: ICE

Lot # 1199138

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

Phytoplankton chlorophyll-a corrected, uncorrected, phaeophytin and ratio by spectrophotometry

Container ID: P-500ML

Qty: 4 Preservation: ICE And H2SO4

Lot # 00067591

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: 4 Preservation: ICE-FLTR

Lot # 00066437

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

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

Bottle Group: B

of Sites: 1

Container ID: BG-1L

Qty: 2 Preservation: ICE

Lot # 0006860

Description: Brown Glass Bottle 1L

Affix BLUE dot to container.

Analysis

W-AHERB-AA
W-GLYPH
W-PYR-AA-R
W-SUC-AA-R
W-UHERB-AA

Description

Chlorinated (phenoxy acid) herbicides in water matrices by HPLC/MS/MS
Glyphosate in water matrices by HPLC/MS/MS
Pyraclostrobin in water matrices by HPLC/MS/MS
Analysis of sucralose in water matrices by HPLC/MS/MS
Urea herbicides and other chemicals in water matrices by HPLC/MS/MS

Container ID: BG-500ML

Qty: 4 Preservation: ICE

Lot # 044308

Description: Brown Glass Bottle 500ML

Affix BLUE dot to container.

Analysis

W-CT-CI-R
W-PCL-SQ-R

Description

Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization
Organochlorine pesticides in water matrices by GC/MS-SIM

Container ID: BG-1L

Qty: 4 Preservation: ICE

Lot # 56068050

Description: Brown Glass Bottle 1L

Affix BLUE dot to container.

Analysis

W-PSNP-TQ

Description

Organonitrogen and phosphorus pesticides (ultra trace level) in water matrices by GC/MS/MS

Bottle Group: C

of Sites: 1

Container ID: P-500ML

Qty: 1 Preservation: HNO3

Lot # 56067596

Description: Plastic Bottle 500 mL

Affix RED nitric acid dot to container.

Analysis

W-ICP

W-ICPMS

Description

Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects

Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

Bottle Group: D

of Sites: 1

Container ID: P-250ML-WO-THI

Qty: 1 Preservation: ICE

Lot # 614135

Description:

Analysis

ECOLI-18QT

Description

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

Cooler Packed By: W

Number of Coolers: 3

Date: 5/30/17

Kit must also include:

- ☒ Field Sheets
- ☒ Temperature Control Bottle
- ☒ FedEx Bills, if applicable
- ☒ Plastic Bags
- ☒ Zip Ties

If Preservation Included:

ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____
ID _____	Exp _____	Lot # _____

PLEASE RETURN ALL COOLERS FOR RQ-2017-06-05-45